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OF

BROWN UNIVERSITY

1899-1900

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CATALOGUE

OF

BROWN UNIVERSITY

ONE HUNDRED AND THIRTY-SIXTH YEAR

1899-1900

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Correspondence addressed simply to BROWN UNIVERSITY may be expected to reach the proper department, but, in order to avoid delay and possible confusion, correspondents are requested to note the following directions :

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UNIVERSITY CALENDAR 1899-1900

1899.

September 6. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).

September 18-20. *Monday, Tuesday and Wednesday.* Examinations for admission to the Freshman Class and to Advanced Standing.

September 20. *Wednesday.* ACADEMIC YEAR BEGINS: 8.40 A. M.

September 20. *Wednesday.* Last day for registration of Resident Graduate Students.

September 30. *Saturday.* Last day for registration of Non-resident Graduate Students.

November 30—December 2. *Thursday, Friday and Saturday.* THANKSGIVING RECESS.

December 15-21. *Friday to Thursday.* Term Examinations.

December 22, 1899—January 2, 1900. *Friday to Tuesday, inclusive.* CHRISTMAS RECESS.

1900.

January 3. *Wednesday.* SECOND TERM BEGINS: 8.40 A.M.

February 22. *Thursday.* Washington's Birthday. No University exercises.

March 10-16 *Saturday to Friday.* Term examinations.

March 17-26. *Saturday to Monday inclusive.* SPRING RECESS.

March 27. *Tuesday.* THIRD TERM BEGINS: 8.40 A. M.

March 31. *Saturday.* Last day for receiving theses of candidates for the Doctorate.

May 30. *Wednesday.* Memorial Day. No University exercises.

May 31. *Thursday.* Last day for examinations for Advanced Degrees.

June 7-13. *Thursday to Wednesday.* Term Examinations.

June 14. *Thursday.* Hicks Prize Debate: Manning Hall, 8.00 P. M.

June 15. *Friday.* Class Day.

June 17. *Sunday.* Baccalaureate Sermon: First Baptist Meeting House, 4.00 P. M.

June 18. *Monday.* Sophomore Prize Declamation: First Baptist Meeting House, 8.00 P. M.

June 19. *Tuesday.* Annual Meeting of the Phi Beta Kappa Society: 5 University Hall, 9.30 A. M.

June 19. *Tuesday.* Annual Meeting of the Alumni: Manning Hall, 4.00 P. M.

June 20. *Wednesday.* ONE HUNDRED AND THIRTY-SECOND ANNUAL COMMENCEMENT (third Wednesday in June): 10.00 A. M.

June 21. *Thursday.* Meeting of the Corporation.

June 21-22. *Thursday, Friday.* Examinations for admission to the Freshman Class and to Advanced Standing.

SUMMER VACATION.

September 5. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).

September 17-18. *Monday, Tuesday.* Examinations for admission to the Freshman Class and to Advanced Standing.

September 19. *Wednesday.* ACADEMIC YEAR BEGINS: 8.40 A. M.

CALENDAR 1899-1900

1899	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	..	..	..	..	..	..	1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
Aug.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	19	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
Sept.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
Oct.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..
Nov.	..	..	..	1	2	3	4
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	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
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	24	25	26	27	28	29	30
	31	..	..	..	..	..	..

1900	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Jan.	..	1	2	3	4	5	6
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Feb.	4	5	6	7	8	9	10
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	18	19	20	21	22	23	24
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Mar.	4	5	6	7	8	9	10
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	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
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Apr.	1	2	3	4	5	6	7
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	22	23	24	25	26	27	28
	29	30	..	..	..	..	..
May	..	..	1	2	3	4	5
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	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31	..	..
	..	..	..	..	..	1	2
June	3	4	5	6	7	8	9
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	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	..	..	..	..	..	..	..

1900	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
July	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..
	..	..	..	1	2	3	4
Aug.	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..
	..	..	..	..	..	..	1
Sept.	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
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Oct.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
Nov.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	..
Dec.	..	..	..	..	..	..	1
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	16	17	18	19	20	21	22
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	30	31	..	..	..	..	..

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Demonstrator of Anatomy

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Assistant Registrar for the Women's College

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Instructor in Physical Culture in the Women's College.

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Director of Chapel Music.

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Assistant Librarian

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Cataloguer

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Assistant Cataloguer

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Steward

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Assistant in the Carpenter Shop

FRANK EDWIN STARK — 170 Lockwood Street
Assistant in the Machine Shop

JOHN EDWARDS — 210 Doyle Avenue
Assistant in the Ladd Observatory

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Office: 1 University Hall.

Office hours: 12 M. to 1 P. M.

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Frederick Taft Guild, A. M.

Office: 2 University Hall.

Office hours: 8:30 A. M. to 1 P. M., 2:30 to 4 P. M.

Dean of the Women's College

Louis Franklin Snow, A. M.

Office: Pembroke Hall, Meeting Street.

Office hours: 9 A. M. to 12 M., 2:30 to 4 P. M.

Librarian

Harry Lyman Koopman, A. M.

Office: Library.

Office hours: 9 to 10 A. M., 3 to 4 P. M.

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John Franklin Jameson, Ph. D., LL. D.

Office: Library.

Office hours: 10 to 11 A. M., Saturdays.

Secretary of Committee on Graduate Students

Asa Clinton Crowell, Ph. D.

Office: 6 Sayles Hall.

Office hours: 4 to 5 P. M., Mondays and Thursdays.

Chairman of Committee on Absences

James Quayle Dealey, Ph. D.

Office: 6 University Hall.

Office hours: 1.05 to 1.45 P. M., Mondays, Wednesdays and Fridays

Steward

Archibald Grant Delaney.

Office: 3 University Hall.

Office hours: 12 M. to 1 P. M.

HISTORY OF BROWN UNIVERSITY

The first suggestion of establishing a college in Rhode Island is connected with the residence of Dean (afterwards Bishop) Berkeley at Newport in 1729–31. But his cherished scheme of planting a Christian college in America failed to enlist royal favor, and the colony was compelled to wait a generation for the founding of an institution of higher learning within its borders. In 1762 the Philadelphia Baptist Association, in view of the disabilities attaching to Baptist students in most of the existing American colleges, welcomed a proposal offered by the Rev. Morgan Edwards, a clergyman of Welsh birth, at that time pastor of the First Baptist Church in Philadelphia, for the founding of a college in Rhode Island that should be under the control of their own denomination. James Manning, a graduate of Princeton in the same year, was appointed by the Association as its agent to establish "a seminary of polite literature subject to the government of the Baptists".

In deciding upon the location of the new college, a canvass of the colonies had shown the advantages to be clearly on the side of Rhode Island, which recognized absolute religious liberty, and was, moreover, a Baptist colony in origin and popular attachment. There was no rival institution in the field; and the important cities of Newport and Providence, the former being the second city in New England, furnished an encouraging prospect of future support. Accordingly, in 1764, the friends of the movement obtained from the General Assembly a Charter for the "College or University in the English colony of Rhode Island and Providence Plantations in New England, in America; the Trustees and Fellows, at any time hereafter, giving such more particular name to the College, in honor of the greatest and most distinguished benefactor, or otherwise, as they shall think proper".

The provisions of the Charter which fix the denominational character of the college read as follows: . . . "the Corporation thereof shall consist of two branches, viz.: That of the Trustees,

and that of the Fellowship, with distinct, separate and respective powers; and that the number of the Trustees shall and may be thirty-six; of which twenty-two shall forever be elected of the denomination called Baptists, or Antipedobaptists; five shall forever be elected of the denomination called Friends or Quakers; four shall forever be elected of the denomination called Congregationalists, and five shall forever be elected of the denomination called Episcopalians"; . . . "the number of the Fellows, inclusive of the President (who shall always be a Fellow) shall and may be twelve; of which eight shall be forever elected of the denomination called Baptists, or Antipedobaptists; and the rest indifferently of any or all denominations", . . . "to whom the President, when hereafter elected, (who shall forever be of the denomination called Baptist, or Antipedobaptist,) shall be joined."

Though the President must be a Baptist, the three important positions of Chancellor, Secretary, and Treasurer, are without religious specification. The Corporation is self-perpetuating; but vacancies in the Board of Trustees have been filled since 1874 from nominations made by the alumni. It is, however, in the following paragraph that the liberal attitude of the college on sectarian questions is most clearly set forth:

"Furthermore, it is hereby enacted and declared: That into this liberal and catholic institution shall never be admitted any religious tests; But, on the contrary, all the members hereof shall forever enjoy full, free, absolute and uninterrupted liberty of conscience; And that the places of Professors, Tutors, and all other officers, the President alone excepted, shall be free and open for all denominations of Protestants; And that youths of all religious denominations shall and may be freely admitted to the equal advantages, emoluments and honors of the College or University; and shall receive a like fair, generous and equal treatment, during their residence therein, they conducting themselves peaceably, and conforming to the laws and statutes thereof: And that the public teaching shall, in general, respect the sciences; and that the sectarian differences of opinions shall not make any part of the public and classical instruction; Although all religious controversies may be studied freely, examined and

explained by the President, Professors and Tutors, in a personal, separate and distinct manner, to the youth of any or each denomination ; And above all, a constant regard be paid to, and effectual care taken of, the morals of the College".

As the college was at the beginning without funds, and only a scanty return could be expected from students' fees, it was necessary that the president should support himself and his family by some other means. The founding of a Baptist church in Warren, and the call of Mr. Manning to its pastorate, offered a solution of the difficulty ; and hither Mr. Manning brought his family in the spring of 1764. His first act towards the establishment of a college was the opening of a Latin school. This preparatory school was afterwards removed with the college to Providence, where it has flourished for more than a century and a quarter, under the name of the University Grammar School. At the second meeting of the corporation, September 4th, 1765, Mr. Manning was formally appointed "president of the college, professor of languages and other branches of learning"; the first student having been matriculated the day before. In the following year David Howell was appointed tutor, but no other addition was made to the faculty until 1774. In 1769 the first class of seven members was graduated at Warren. This town had not been generally regarded as the permanent seat of the college, and the necessity which now arose of erecting a college building compelled a final choice of location. After a spirited contest for the honor among the leading towns of the colony, the choice fell upon Providence. Here the foundation of the first college building, the present University Hall, which was modeled after Nassau Hall at Princeton, was laid in 1770. In the same year a house for the president was built on the grounds, the two buildings costing about $10,000.

In 1771 President Manning was called to the pastorate of the First Baptist Church in Providence; and he served the church in this capacity in addition to his college duties, from that date until the close of his life. In December, 1776, the work of the college was interrupted by the Revolutionary war, and it was not resumed until the fall of 1782; the building meanwhile being used as barracks and a hospital for the combined American and French troops.

Upon the reorganization of the college important additions were made to the library and the philosophical apparatus. In 1791, after twenty-nine years of service as founder and director of Rhode Island College, President Manning died. He had seen the college become firmly established, with a graduate roll of 149; the last graduating class, that of 1790, having numbered 22. At the time of his death the faculty consisted of the president, four professors and two tutors. The discipline during this period had been strict and paternal, the officers of instruction living under the same roof with the students, and making frequent visits of inspection to their rooms. President Manning at first taught all the branches studied, but was designated professor of languages, afterwards of moral philosophy. David Howell, his assistant, taught mathematics and natural philosophy, as also French, German and Hebrew. He was appointed professor of natural philosophy in 1769, and of law in 1790, but never taught the latter subject. A professor of natural history was appointed in 1784; and a professor of mathematics and astronomy in 1786.

The first college funds, amounting to $4500, were collected in England and Ireland by the Rev. Morgan Edwards in 1767-68. In the next two years the Rev. Hezekiah Smith obtained subscriptions amounting to $2500 in South Carolina and Georgia. The former contribution was made a permanent fund; the latter was expended in the construction of the college buildings. Further gifts were received for a time from the Philadelphia, Charleston, and Warren Baptist Associations, but they appear to have ceased with the outbreak of the Revolutionary war.

The successor of President Manning was the Rev. Jonathan Maxcy, a graduate in the class of 1787, who had been professor of divinity 1791-92. He served from 1792 until 1802, when he resigned his office to accept the presidency of Union College. During the last year of his administration at Rhode Island College a class numbering 28 was graduated.

The third president of the college, the Rev. Asa Messer, a graduate in the class of 1790, who had served as professor of learned languages 1796-99, and of mathematics and natural philosophy 1799-1802, directed the affairs of the institution from the

last-named year, until his resignation in 1826. During his presidency of twenty-four years the college was expanded in every direction. A class numbering 48 was graduated in 1825, the faculty in that year consisting of nine professors, besides the president, and two tutors. A medical school was established, which existed from 1811 until 1828, and sent out 87 graduates. The special professorships created for the medical school were materia medica and botany, 1811; anatomy and surgery, 1811; chemistry, 1811; theory and practice of medicine, 1815. A professor of moral philosophy and metaphysics was appointed in 1811; one of oratory and belles-lettres in 1815, and one of the Latin and Greek languages and literature in 1825.

In 1792 Nicholas Brown, a graduate in the class of 1786, gave $500 with which to purchase law books for the Library. In 1804 he endowed a professorship of oratory and belles-lettres. In the same year the name of the institution was changed in his honor to Brown University. In 1810 the University Grammar School building, now known as Lyon Hall, was erected at a cost of $1450. In 1822 Mr. Brown built Hope College at his own expense, the estimated cost being $20,000. In 1826 the permanent funds of the University amounted to $31,300.

The fourth president, the Rev. Francis Wayland, entered upon his office in 1827. He at once raised the standard of scholarship, and gradually increased the scope of the instruction. He finally accomplished an entire reorganization of the University on the basis of the elective principle. In accordance with this "New System" the bachelor's degree was given for a three years' course, and the master's degree for a course of four years. Graduate study and special study were both encouraged; and the sciences, in accordance with the spirit of the Charter, were made prominent in the curriculum. This system was not put into operation until 1850, and was fully in force only five years. The amount and character of the increase in the scope of the curriculum during President Wayland's administration are clearly shown in the following list of subjects to which professors or instructors were assigned at the dates annexed: chemistry, physiology and geology, 1834; moral and intellectual philosophy, 1834; belles-lettres,

1835; rhetoric, 1837; Hebrew literature, 1838; modern languages and literature, 1843; Greek, 1843; Latin, 1844; French, 1844; history and political economy, 1850; natural philosophy and civil engineering, 1850; chemistry applied to the arts, 1850; rhetoric and English literature, 1851; didactics (i. e., pedagogy), 1851; analytical chemistry, 1854.

The influence of President Wayland was felt not so much in the increase of the number of students, as in the higher intellectual and moral tone of the institution. Discipline, which had grown lax, was strictly enforced. But material gains were also made. The college grounds were laid out, and the library was placed on a sound financial basis. The permanent funds were increased to $200,000, and three important buildings were erected: Manning Hall, given by Nicholas Brown in 1834, built at a cost of $18,500 Rhode Island Hall, erected in 1840, costing $14,000, which was raised in subscriptions by Rhode Island men and women; and the President's House, the gift of Nicholas Brown, built in 1840 at a cost of $7000. The last named building has been used since 1899 as the refectory. The total value of Mr. Brown's various gifts amounted to not less than $160,000. Mr. Brown also served the University in a most efficient way as treasurer 1796-1825. He was trustee 1791-1825, and fellow from 1825 until his death in 1841. Dr. Wayland resigned the presidency in 1855, having won for the University, by his fame as a writer and thinker and educational reformer, an enviable distinction both at home and abroad.

The fifth president of the University, the Rev. Barnas Sears, a graduate in the class of 1825, held office from 1855 until 1867, when he resigned the presidency to become general agent of the Peabody Education Fund. No new subject was added to the curriculum, except physical geography, which appears for the first time in 1864. Although the term of President Sears covered the financial crisis of 1857 and the Civil war, a notable increase was made both in the funds and in the number of students. A system of scholarships was established, and over $220,000 was collected in subscriptions. The Chemical Laboratory was built in 1862 at a cost of $15,000. In the last class that entered under President Sears seventy-three students were enrolled. Three hun-

dred graduates and students of Brown entered the Union service, 1861-65, of whom twenty-one laid down their lives.

The Rev. Alexis Caswell, a graduate in the class of 1822, was the sixth president of the University, his term covering the years 1868-72. Under his administration the department of physics was organized, and the endowment was increased to a sum exceeding $550,000. The Jenks museum of zoölogy was founded in 1871. Rhode Island Hall was enlarged in 1875 at a cost of $8800. Upon the resignation of Dr. Caswell, the Rev. Ezekiel Gilman Robinson, a graduate in the class of 1838, was chosen his successor. His presidency extended over the seventeen years, 1872-1889. This period was marked not only by an increase in the student attendance, the class of 1889 having been graduated with a membership of fifty-six, but also by a high degree of intellectual and moral enthusiasm. The following subjects were added to the curriculum or were emphasized by the appointment of separate instructors: special branches of agriculture, 1872; zoölogy and agriculture, 1874; physiology, 1874; botany, 1877; zoölogy and geology, 1878; elocution, 1880; astronomy, 1884; logic, 1886; history, 1888; political economy, 1888.

The funds were increased to $980,000, and important additions were made to the buildings. The Library, the gift of the late John Carter Brown, was built in 1878, at a cost of $120,000. Slater Hall, given by Horatio Nelson Slater, and costing over $30,000, was built in 1879. Sayles Hall, the gift of William Francis Sayles, a memorial to his son, William Clark Sayles, a member of the class of 1878, was built in 1881, at an expense of $100,000. University Hall, which had been renovated in 1850, was again renovated in 1883 at an outlay of $50,000. Dr. Robinson recognized the fact that the opportunity for a great university existed at Brown, and continually strove to enlarge the scope of the institution. New courses were created, and a beginning was made in systematic graduate study. Dr. Robinson resigned the presidency in 1889.

The eighth president of the University was the Rev. Elisha Benjamin Andrews, a graduate in the class of 1870. With his accession in 1889 the modern life of the University properly

begins. In the year preceding his presidency three graduate students were enrolled; in the last year of his term of service the graduate students numbered 101; the total number of students for the same years being, respectively, 268 and 860. The officers of instruction for the corresponding years increased in number from 22 to 73. All the old departments were expanded, and the number of departments was increased from 16 in 1889-90 to 25 in 1897-98. The department of philosophy was enlarged by the addition of psychology and pedagogy. American and European history were assigned to separate professors, political economy was made a department, and the department of social and political science and law was added. The department of fine arts was created, including the history of art, and music. The new department of Indo-European philology was introduced. The departments of Greek and Roman literature and history, English literature and language, and Germanic and Romance languages and literatures were reorganized and extended. Rhetoric and oratory were made an independent department. The new department of Biblical literature and history was formed, including the Semitic languages and New Testament Greek; while a course in the philosophy of religion was offered. The departments of mathematics, mechanical engineering, astronomy, physics (including electrical engineering), chemistry, zoölogy, geology and anthropology, and botany were extended in scope and thoroughness. New departments were formed for the subjects of mechanical drawing, civil engineering, comparative anatomy, military science and tactics, and bibliography. The museum of fine arts was founded in 1889, and that of anthropology in 1891.

The funds were increased to $1,125,685, and important additions were made to the buildings and grounds. Hope College was renovated in 1891 at a cost of $35,000. Wilson Hall, the bequest of George Francis Wilson, was built in 1891, costing $100,000. The Ladd Observatory, the gift of Ex-Governor Herbert W. Ladd, was built in the same year at an approximate cost of $30,000. In the same year also the Lyman gymnasium, named in honor of its principal donor, was built at a cost of $70,000. In 1895 Maxcy Hall was built, its cost being $50,000. Pembroke

Hall, costing $38,000, was built in 1897. Three buildings, known as the Howell, Messer and Brown Street Houses, were also secured for dormitory purposes. The old playground of the University, now known as Lincoln Field, was graded and fitted up for ball games and other athletic purposes in 1889. In 1898 a new athletic field was laid out on Camp Street, a mile from the University.

In 1891 the Grand Army of the Republic Fellowship Fund of $10,000 was given to the University by the Rhode Island department of that organization. In 1894 the University returned to the state of Rhode Island the scholarship fund of $50,000 obtained from land-scrip received in 1863, due under act of Congress of July 2, 1862. At the same time the state paid the University $40,000 in requital of its claim upon the Morrill fund, due to the state under act of Congress of August 30, 1890.

The Women's College was founded in October, 1891. At first only the privilege of University examinations and certificates of proficiency was granted. In June, 1892, all the College and University degrees and the graduate courses were opened to women. In Nov., 1897, the institution was accepted by the Corporation, and officially designated the Women's College in Brown University. The immediate charge of this department, subject to the direction of the president, was placed in the hands of the dean of the Women's College. All instruction was required to be given by members of the University faculty. Pembroke Hall, which was built by the Rhode Island Society for the Collegiate Education of Women, was formally transferred to the University in October, 1897, and accepted as the recitation hall of the Women's College. Louis Franklin Snow, a graduate in the class of 1887, has served as dean of the Women's College since its opening in 1892. From the first, the institution has been self-supporting.

Accompanying the material progress that marked the administration of President Andrews there was a steady and gratifying advance in moral and intellectual earnestness. In 1898 Dr. Andrews resigned the presidency to become Superintendent of Schools of Chicago. Dr. Benjamin Franklin Clarke, the senior

member of the faculty, who had served as president *pro tempore* during the absence of Dr. Andrews in Europe in 1896-97, was appointed president *ad interim*, and served during the college year 1898-99. Early in June, 1899, the Rev. William Herbert Perry Faunce, a graduate in the class of 1880, was chosen president, and entered upon his office on Commencement day.

The Library of the University dates from 1767 when the Rev. Morgan Edwards collected books for it in England. The collection was at first kept in University Hall. Upon its removal to Manning Hall in 1843 it contained ten thousand volumes, and in 1878, the date of its transference to the present building, its volumes numbered forty-eight thousand. The present number, including the books in the twelve department libraries, is upwards of one hundred thousand volumes. Upon the removal of the College to Providence in 1770 the professors and students enjoyed the hospitality of the Providence Library Company, now the Athenæum, in extension of the scanty resources of the College Library. The Library of the Rhode Island Historical Society and the State Law Library have in later years been most valuable adjuncts to the University Library, while, since the opening of the Providence Public Library in 1878, members of the University have made constant use of its choice and readily available resources. The Library Fund, established under President Wayland, has been supplemented by five special funds, devoted to the departments of European History, United States History, Mediæval and Church History, Botany, and the Arts of Design. Gifts of one thousand dollars each have been made to the Library in recent years by the classes of 1872, 1884, 1885, 1886, 1887 and 1888, which have been of material assistance towards enabling the Library to meet the evergrowing demands made upon it by the work of the University.

At the annual Commencement in 1864 the University celebrated its hundredth anniversary with appropriate exercises. At the close of the 131st Commencement in 1899 there were enrolled the names of 5114 sons and daughters of Brown University. Of this number 4419 had received the College or University first degree; 40, exclusive of the foregoing, had received advanced de-

grees; 69, not previously reckoned, had received the degree of Doctor of Medicine, while 586 others had received honorary degrees. Of the entire number, 2571, or 50 per cent., are living.

In the earliest existing catalogue of the College, that for October, 1800, there were registered 107 students; of whom 22 came from Rhode Island, 74 from Massachusetts, 4 from Connecticut, (100 from New England), 1 from New York, 2 from Virginia, and 4 from South Carolina. In the catalogue for the fall of 1898, there were registered 925 students, of whom 499 came from Rhode Island, 195 from Massachusetts (810 from New England), 79 from the Middle states, 11 from the Southern states, 20 from the Western states, and 5 from foreign countries. The most striking feature of the first list is the large proportion of the students, 70 per cent, entering from Massachusetts, as contrasted with 21 per cent from Rhode Island. The second list shows both a concentration and an expansion. For while Rhode Island at present furnishes 54 per cent of the students that attend the University, as against 21 per cent from Massachusetts, there now come from outside New England 12 per cent of the total number, as contrasted with 6 per cent in the closing year of the eighteenth century.

ADMISSION TO THE UNIVERSITY

Admission to Courses Leading to Degrees

ADMISSION TO THE FRESHMAN CLASS

The regular examinations for admission to the Freshman Class take place in Wilson Hall on Thursday, Friday and Saturday of Commencement week, June 21, 22 and 23, 1900, beginning at 9 o'clock A. M. on Thursday. Candidates must present themselves promptly at the appointed times.

The order of the examinations will be:

THURSDAY, June 21

Greek, Wilson 2, 9 A. M. to 12.30 P. M.
Latin, Wilson 25, 1.30 P. M. to 5 P. M.
History, Wilson 27, 9 A. M. to 11 A. M.

FRIDAY, June 22

Algebra, Wilson 27, 8 A. M. to 10 A. M.
Geometry, Wilson 27, 10 A. M. to 12 M.
German, Wilson 2, 1 P. M. to 3 P. M.
French, Wilson 25, 4 P. M. to 6 P. M.

SATURDAY, June 23

English, Wilson 26, 9 A. M. to 11 A. M.

A second examination in each of the above branches will be offered on Monday, Tuesday and Wednesday, September 17, 18 and 19, 1900, as follows:

MONDAY, September 17

Greek, Wilson 2, 9 A. M. to 12.30 P. M.
Latin, Wilson 25, 1.30 P. M. to 5 P. M.
History, Wilson 27, 9 A. M. to 11 A. M.

TUESDAY, September 18

Algebra, Wilson 27, 8 A. M. to 10 A. M.
Geometry, Wilson 27, 10 A. M. to 12 M.
German, Wilson 2, 1 P. M. to 3 P M.
French, Wilson 25, 4 P. M. to 6 P. M.

WEDNESDAY, September 19

English, Wilson 26, 9 A. M. to 11 A. M.

If desired, examinations will be appointed in cities remote from Providence. Correspondence on this subject should be addressed to the Registrar of the University.

Qualified members of the Freshman Class are matriculated at the beginning of the second term. Till matriculation, all candidates for degrees, however admitted, are regarded as on probation.

Pupils from schools of known excellence are admitted to the Freshman Class without examination, on the certificates—not the diplomas—of the principals of these schools. Upon application by the principal of any school from which pupils are received in this manner, the University furnishes blank forms for these certificates.

Entrance Examinations for Candidates for the Degree of Bachelor of Arts

Unless admitted by certificate, or admitted to advanced standing, every candidate for the degree of Bachelor of Arts, must, before entering, pass examinations as follows:

MATHEMATICS

1. Algebra, through equations of the second degree.

Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computations with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course. Candidates are especially urged not to neglect this subject.

The requirement in Algebra includes the following subjects: factors, common divisors and multiples; fractions, ratios and proportions; negative quantities and the interpretation of negative results: the doctrine of exponents; radicals and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations and the reduction of equations; the ordinary methods of elimination, and the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

It is very important that the student should acquire a thorough knowledge not only of the practice, but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulæ, as, for example, the quadratic formula.

2. Plane Geometry.

The requirement in Plane Geometry includes the propositions which are contained in the ordinary treatises, and which are recognized as constituting the elements of Geometry; original propositions and problems in mensuration.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. They should avoid mere memory work, and should take special care in the proof of a proposition that no lines be drawn unless their construction is proved to be possible.

The school curriculum ought to be so arranged that not a single term, much less a year, should pass without some time being given to a mathematical subject. For a four-year course an average of two and one-half hours per week during that time will give the best results.

ENGLISH

The examination in English consists of two parts; one to test the candidate's general reading, the other to bring out the results of his more careful study and practice. The entire examination occupies not less than two hours.

1. *Reading and Practice.* In this part the candidate must exhibit a good general knowledge of the subject matter of each work, and answer simple questions on the lives of the authors. The usual form of examination is the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number, perhaps ten or fifteen, named in the exam nation paper. This writing is intended to test his power of clear and accurate expression. A candidate will not be accepted in English whose writing is seriously defective in spelling, punctuation, idiom or structure of sentence and paragraph. In place of a part of the written exercise, the candidate may, under special circumstances, be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading.

In 1900 the books for this portion of the examination will be: Dryden's Palamon and Arcite, Pope's Iliad, books i, vi, xxii and xxiv, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Scott's Ivanhoe, De Quincey's Flight of a Tartar Tribe, Cooper's Last of the Mohicans, Tennyson's Princess, and Lowell's Vision of Sir Launfal.

In 1901 and 1902: Shakspere's Merchant of Venice, Pope's Iliad, books i, vi, xxii and xxiv, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Coleridge's Ancient Mariner, Scott's Ivanhoe, Cooper's Last of the Mohicans, Tennyson's Princess, Lowell's Vision of Sir Launfal, and George Eliot's Silas Marner.

In 1903, 1904 and 1905: Shakspere's Merchant of Venice and Julius Cæsar, the Sir Roger De Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Coleridge's Ancient Mariner, Scott's Ivanhoe, Carlyle's Essay on Burns, Tennyson's Princess, Lowell's Vision of Sir Launfal, and George Eliot's Silas Marner.

2. *Study and Practice.* This part requires a more careful study of each of the works named. The examination covers subject-matter, form and structure, and, more particularly than Part 1, tests the candidate's ability to express his knowledge with clearness and accuracy.

In 1900 the books for this portion of the examination will be: Shakspere's Macbeth, Milton's Paradise Lost, books i and ii, Burke's Speech on Conciliation with America, and Macaulay's Essays on Milton and Addison.

In 1901, 1902, 1903, 1904 and 1905: Shakspere's Macbeth, Milton's Lycidas, Comus, L'Allegro and Il Penseroso, Burke's Speech on Conciliation with America, and Macaulay's Essays on Milton and Addison.

The candidate is encouraged to do reading parallel and subsidiary to the books mentioned above; he is recommended to commit to memory as much English poetry as possible, and to pay close attention to the essentials of grammar.

GREEK

1. Authors: Xenophon's Anabasis entire, or four books of the Anabasis and three of Homer, regard being had not only to language but to subject-matter as well. Two books of the Hellenica may be offered in place of a like amount of the Anabasis; and preparation in Homer may be in either the Iliad or the Odyssey.

2. Grammar: A familiar knowledge of inflection, word-formation and ordinary syntax.

3. Composition: The first twenty-five exercises of Jones's Composition, or Allinson's Composition as far as part iii, or Collar and Daniell's entire, or other equivalent preparation in writing connected Greek prose.

4. History: The general history of Greece to the death of Alexander.

Candidates are expected to be able to translate at sight simple Attic prose, unusual words being defined, and to write in Greek simple connected narrative based upon the Anabasis or the Hellenica.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Greek.

LATIN

1. Cæsar, Gallic War, books i-iv, or books i-iii and Sallust's Catiline, with questions on the subject-matter and on grammar.

2. Ovid, twenty-five hundred lines.

3. Cicero, the Orations against Catiline and the Oration for Archias, with questions as on Cæsar.

4. Vergil, Æneid, books i-vi, or books i-v and the Eclogues, with questions on the subject-matter and on prosody.

5. Translation at sight of ordinary passages from Cæsar, Cicero's Orations, Vergil's Æneid and Ovid's Metamorphoses, with questions on grammar, prosody, history and antiquities, suggested by the passages assigned.

6. Translation into Latin of simple English sentences.

7. Translation into Latin of a continuous passage of English narrative, prepared from some portion of the prescribed prose.

8. Outline of Roman geography, and of Roman history to the end of the reign of Marcus Aurelius.

It is recommended that pupils be accustomed, from the beginning of their preparatory course to translate into Latin, both orally and in writing, passages prepared by the teacher on the basis of the prose authors read.

In pronouncing Latin, *ā* should be pronounced as in *father*, *ă* as in *Cuba*; *ē* as in *prey*, *ĕ* as in *men*; *ī* as in *machine*, *ĭ* as in *cigar*; *ō* as in *old*, *ŏ* as in *obey*; *ū* as in *rule*, *ŭ* as in *full*; *j* as *y* in *yard*; *c* always as *k* in *king*; *g* always as in *get*.

Instructors in preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Latin.

Preliminary Examinations in the Classics

In the studies named below, candidates may be examined one year before the time at which they intend to apply for admission to the Freshman Class. These examinations will occur, in 1900, on Thursday, June 21, *and then only*. They will be held in Wilson Hall, in the following order:

Greek, Wilson 2, 9 to 11 A. M.
Latin, Wilson 25, 1.30 to 3.30 P. M.

The subjects will be:

Greek.—1. Greek Grammar; 2. Three books of Xenophon's Anabasis.

Latin.—1. Latin Grammar; 2. Cæsar, or Cæsar and Sallust, as above; 3. Translation into Latin of simple sentences; 4. Ovid or Cicero or Vergil, as above.

FRENCH OR GERMAN

Each candidate must pass examination upon a certain amount either of French or of German, as he chooses. Candidates who present German for entrance must continue German during their Freshman year, and must take French in their Sophomore year; candidates who present French must continue French in their Freshman year, and must take German in their Sophomore year; candidates who present both French and German may take their choice as to which they will continue in their Freshman year.

French

For candidates who offer French the requirements are as follows:

1. Proficiency in elementary French grammar, implying, especially, familiarity with the following topics; inflection of nouns and adjectives in gender and number; the pronominal adjectives; the use of pronouns, especially the forms and positions of personal pronouns; the partitive constructions; the inflection of the regular verbs and of the more usual irregular verbs, such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire and craindre*.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work necessarily depends. Mastery of Whitney's Brief French Grammar willl be regarded as sufficient.

2. Ability to translate simple prose at sight.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. Care should be taken not to read works assigned in the university courses.

3. Ability to pronounce French and to recognize French words and simple phrases when spoken.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the French texts used in the class-room.

German

For candidates who offer German the requirements are as follows:

1. Proficiency in elementary German grammar, implying, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word order.

The mention of these topics is not to be understood as restrictive, but is meant rather to emphasize the importance of a thorough grounding of the pupil in those elements on which future good work depends. Mastery of Whitney's Brief German Grammar will be regarded as sufficient.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished.

It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. Care should be taken not to read works assigned in the university courses.

3. Ability to pronounce German and to recognize German words and simple phrases when spoken.

It is recommended that from the beginning careful attention be given to the fluent and intelligent pronunciation of the German texts used in the class-room.

Entrance Examinations for Candidates for the Degree of Bachelor of Philosophy

Unless admitted by certificate or admitted to advanced standing, every candidate for the degree of Bachelor of Philosophy must, before entering, pass examinations as follows:

MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 32–33.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 33–34.

FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35–37.

LATIN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 34-35.

Substitutes for Latin

Instead of the requirement in Latin any one of the four substitutes below described will be accepted.

Substitute 1. Minor Requirement in Latin. For students nineteen years of age or over, who offer proof of attainments in general subjects such as a diligent and competent student would derive from two years full attendance at a good high school or academy, the above requirement in Latin is reduced to five books of Cæsar or its equivalent in Cicero, Vergil or other standard authors. Students offering only this smaller amount of Latin cannot, however, pursue any of the Latin courses in college.

Substitute 2. Greek. Instead of the Latin specified above, whether the major or the minor requirement, candidates for the degree of Bachelor of Philosophy may offer the Greek required for candidates for the degree of Bachelor of Arts as specified on page 34. Students fulfilling this requirement are permitted to pursue Greek in college.

Substitute 3. German. Candidates *who have already presented French*, may also present German, in which case no Latin is required.

Substitute 4. French. Candidates *who have already presented German*, may also present French, in which case no Latin is required.

HISTORY

Either the general history of Greece to the death of Alexander, and Roman history to the end of the reign of Marcus Aurelius; or the general history of England and of the United States.

Entrance Examinations for Candidates for the Degree of Bachelor of Science

Unless admitted by certificate or admitted to advanced standing, every candidate for the degree of Bachelor of Science must, before entering, pass examinations as follows:

MATHEMATICS

1. The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 32–33.

Also :

2. Solid and Spherical Geometry.

3. Plane Trigonometry, with the use of logarithmic and trigonometric tables.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 33–34.

FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35–37.

LATIN

Five books of Cæsar or the equivalent thereof in Cicero or Vergil.

Substitutes for Latin

Substitute 3 or 4 as offered to candidates for the degree of Bachelor of Philosophy as stated on pages 34–35.

HISTORY

The same requirement as for candidates for the degree of Bachelor of Philosophy as stated on page 38.

Entrance Examinations for Candidates for the Degree of Civil Engineer or of Mechanical Engineer

MATHEMATICS

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 32–33.

ENGLISH

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 33–34.

FRENCH OR GERMAN

The same requirement as for candidates for the degree of Bachelor of Arts as stated on pages 35–37.

ADMISSION TO ADVANCED STANDING

For admission to Advanced Standing, candidates, unless coming from other colleges of high rank, are examined in the studies already pursued by the respective classes which they propose to enter. These examinations for 1900 will be held on Monday and Tuesday, September 17 and 18. Candidates must report at the Registrar's Office at 9 A. M. on Monday, September 17. A candidate from another college must present a certificate of his standing in the college which he has left and of regular dismission from it.

ADMISSION TO SPECIAL COURSES

The various courses of study in the University, both graduate and undergraduate, are open to mature men of good character who have had the previous training requisite to pursue them with profit. This privilege is intended for those who wish to take advantage of the instruction offered in special branches without pursuing the full course of study required of candidates for a degree; but all students who can do so are advised for their own profit to matriculate for a degree.

Students who withdraw from a preparatory school before completing its course of study are not admitted as special students unless the principal of the school cordially approves such action. Every student must present testimonials of character and ability from the last school or college he has attended, unless a long interval has elapsed since he was connected with such institution.

A special student must satisfy the officers of instruction by examination or otherwise of his fitness to take the courses desired. He is subject to the same regulations as to attendance and examinations as a candidate for a degree, and must take fifteen hours of class room work per week, unless for satisfactory reasons he receives a smaller assignment. On leaving the University a special student who desires a formal certificate of his attainments may receive it. No one will be allowed to abuse the privilege here offered by making it a means of securing a nominal connection with the University.

UNDERGRADUATE COURSES

The studies for undergraduates are partly required and partly elective. In the Freshman year the studies are nearly all required, the main exception being that candidates for the degree of Bachelor of Philosophy or of Bachelor of Science have a choice of courses, according as they do or do not wish to pursue an ancient language. The required studies of the Freshman year are selected for disciplinary value in preparation for the studies of subsequent years. Candidates for the degree of Bachelor of Arts or of Bachelor of Philosophy are, during the last three years, allowed large liberty in the choice of studies. Candidates for the degree of Bachelor of Science are allowed less freedom of election, in order that they may thoroughly master the branches necessary to a proper equipment in science; while candidates for the strictly professional degree of Civil Engineer or of Mechanical Engineer are (with the single exception noted on page 51) allowed no option.

The elective studies are so placed in the curriculum as to give all the freedom of choice which the necessary limitations of the schedule of lectures admit. In arranging this schedule a number of parallel courses, each unitary and progressive and extending through the last three years, are made available. Every student is advised, in selecting his studies, to adopt such a course, in order to make his work systematic and connected.

Students who wish to give their work definiteness and unity will find helpful suggestions in the lists of "Courses Preparatory to Professional Studies," set forth in later pages of this Catalogue.

Courses of Instruction Arranged According to Years and Terms

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF ARTS

I. Prescribed Courses

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Mathematics 1	Mathematics 3	Mathematics 2
	Gymnasium	

SOPHOMORE YEAR

Rhetoric 2, 4 hrs, or	Rhetoric 3, 4 hrs, or	Rhetoric 4, 4 hrs, or
Rhetoric 2, 3 hrs, and 19, 1 hr	Rhetoric 3, 3 hrs, and 20, 1 hr	Rhetoric 4, 3 hrs, and 21, 1 hr
German 1 or French A	German 2 or French B	German 3 or French C
Electives, nine hours	Gymnasium	Electives, nine hours
	Electives, nine hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Electives, fifteen hours
Electives, † twelve hours	Gymnasium	
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists entirely of elective studies, fifteen hours per week.

*Students who pursue French 1, 2, 3 during the Freshman year must take German during the Sophomore year; those who pursue German 4, 6, 8 during the Freshman year must take French during the Sophomore year. This note applies also to the courses for all other degrees.

†Every candidate for the degree of Bachelor of Arts must take before graduation some one complete course in Philosophy.

II. Elective Courses

FIRST TERM

Philosophy 36 Jr.
" 2 Jr.
" 20 Sr.
" 29 Jr. Sr.
" 39 Sr.
" 8 Sr.
" 5 Sr.
" 33 Sr.
Pedagogy 1 Sr.
History 15 Jr. Sr.
" 4 Jr. Sr.
" 7 Sr.
" 14 Sr.
Social Science 12 So. Jr. Sr.
Social Science 2 Jr. Sr.
" " 5* Jr. Sr.
Political Science 3* Jr. Sr.
Political Science 4* Jr. Sr.
Political Science 5 Jr. Sr.
Elementary Law 4 Jr. Sr.
Elementary Law 9* Jr. Sr.
Political Economy 13* Jr. Sr.
Political Economy 6 Jr. Sr.
Political Economy 15 Jr. Sr.
History of Art 1 Jr. Sr.
" " 7 Sr.
Music 1 So. Jr. Sr.
" 4 Jr. Sr.
" 7 Sr.
" 10* Jr. Sr.
Philology 4* Jr. Sr.
" 7 Sr.
Greek 6 So.
" 7* Jr. Sr.
" 10* Jr. Sr.
" 13* Jr. Sr.
" 16* Jr. Sr.
" 28 Jr. Sr.
Greek 25* Sr.
" 34 Sr.
Latin 4 So.
" 7 Jr. Sr.
" 11* Jr. Sr.
" 37 So. Jr. Sr.
" 10* Jr. Sr.
" 31 Jr. Sr.
" 16 Jr. Sr.
" 19 Sr.
" 22* Sr.
English 10 So. Jr. Sr.
" 27 So. Jr. Sr.
" 1 So. Jr. Sr.
" 4 Jr. Sr.
" 31 Jr. Sr.
" 7 Jr. Sr.
" 43* Jr. Sr.
" 46* Jr. Sr.
" 50* Jr. Sr.
" 40 Jr. Sr.
" 16 Jr. Sr.
Rhetoric 16 So. Jr. Sr.
" 27 Jr. Sr.
" 19 Fr. So.
" 36 So. Jr. Sr.
German 4 Jr. Sr.
" 46 So. Jr. Sr.
" 16 So. Jr Sr.
" 40* So. Jr. Sr.
" 10 So. Jr. Sr.
French 4 So. Jr. Sr.
" 13* So. Jr. Sr.
" 31 Jr. Sr.
" 28* Jr. Sr.
" 34* Sr.
Italian 1 So. Jr.
" 10* Jr. Sr.
Comparative Literature 1 Jr. Sr.
Spanish 1 So. Jr.
Hebrew 1 Jr. Sr.
" 4* Sr.
" 7 Sr.
Assyrian 1 Jr. Sr.
Arabic 1 Jr. Sr.
New Testament 1* Jr. Sr.
New Testament 5 Jr. Sr.
Biblical Literature 4* So. Jr. Sr.
Biblical Literature 1 So. Jr. Sr.
Mathematics 9 So. Jr. Sr.
Mathematics 13 So. Jr. Sr.
Mathematics 15 Jr. Sr.
" 18 Sr.
" 21* Sr.
Drawing 16 So. Jr. Sr.
" 7 So. Jr. Sr.
" 10 Jr. Sr.
" 27 Sr.
" 15 So. Jr. Sr.
Civil Engineering 1 So. Jr. Sr.
Civil Engineering 5, 5a Jr. Sr.
Civil Engineering 13 Sr.
Civil Engineering 19 Sr.
Mechanical Engineering 1 So. Jr. Sr.
Mechanical Engineering 3 Sr.
Mechanical Engineering 6 Sr.
Mechanical Engineering 10-18 So. Jr Sr.
Mechanics 3 Jr. Sr.
" 7 Sr.
Astronomy 1 Jr. Sr.
" 3 Jr. Sr.
" 8 Sr.
Physics 1 So. Jr. Sr
" 5 Jr. Sr.
" 13 Sr.
" 11 Jr. Sr.
" 33 Sr.
" 17 Sr.

* Not offered in 1899-1900.

Physics 26 Sr.
" 29 Jr. Sr.
Chemistry 1 So.
" 4 Jr.
" 7 Sr.
" 10 Sr.
Geology 1 Sr.

Comparative Anatomy 15 So. Jr. Sr.
Comparative Anatomy 3 So. Jr. Sr.
Comparative Anatomy 16* Jr. Sr.

Comparative Anatomy 19 Jr. Sr.
Comparative Anatomy 31 Jr. Sr.
Botany 1 So. Jr. Sr.
" 4 So. Jr. Sr.
" 7 Jr. Sr.

SECOND TERM

Philosophy 27 Jr. Sr.
" 37 Jr.
" 3 Jr.
" 21 Sr.
" 30 Jr. Sr.
" 40 Sr.
" 9 Sr.
" 23 Sr.
" 26 Sr.
" 17 Sr
" 34 Sr.
Pedagogy 2 Sr.
History 11 Jr. Sr.
" 5 Jr. Sr.
" 8 Sr
" 14 Sr.
Social Science 5 Jr. Sr.
Political Science 12 So. Jr. Sr.
Political Science 3 Jr. Sr.
Elementary Law 1* Jr. Sr.
Elementary Law 2* Jr. Sr.
Elementary Law 5* Jr. Sr.
Elementary Law 7 Jr. Sr.
Political Economy 14* Jr. Sr.
Political Economy 5 Jr. Sr.
Political Economy 16 Jr. Sr.
History of Art 4 Jr. Sr.
" " " 9 Sr.
Music 2 So. Jr. Sr.
" 5 Jr. Sr.
" 8 Sr.
" 14 Jr. Sr.
" 11* Jr. Sr.
Philology 1 Jr. S .

Philology 5* Jr. Sr.
Greek 4 So.
" 8* Jr. Sr.
" 11* Jr. Sr.
" 14* Jr. Sr.
" 17* Jr. Sr.
" 23 So. Jr. Sr.
" 44 Jr. Sr.
" 43 So. Jr. Sr.
" 26* Sr.
" 32 Sr.
" 35 Sr.
" 41 Sr.
Latin 5 So.
" 8 Jr. Sr.
" 12* Jr. Sr.
" 38 So. Jr. Sr.
" 14* Jr. Sr.
" 32 Jr. Sr.
" 17 Jr. Sr.
" 20 Sr.
" 23* Sr.
English 11 So. Jr. Sr.
" 28 So. Jr. Sr.
" 2 So. Jr. Sr.
" 5 Jr. Sr.
" 32 Jr. Sr.
" 8 Jr. Sr.
" 44* Jr. Sr.
" 47* Jr. Sr.
" 51* Jr. Sr.
" 41 Jr. Sr.
" 17 Jr. Sr.
Rhetoric 17 So. Jr. Sr.
" 28 Jr. Sr.
" 20 Fr. So.
" 37 So. Jr. Sr.
German 6 Jr. Sr.
" 47 So. Jr. Sr.
" 17 So. Jr. Sr.
" 41* So. Jr. Sr.
" 11 So. Jr. Sr.
French 5 So. Jr. Sr.

French 14* So. Jr. Sr.
" 32 Jr. Sr.
" 29* Jr. Sr.
" 35* Sr.
Italian 2 So. Jr.
" 11* Jr. Sr.
Comparative Literature 2 Jr. Sr.
Spanish 2 So. Jr.
Hebrew 2 Jr. Sr.
" 5* Sr.
" 8 Sr.
Aramaic 1 Jr. Sr.
Assyrian 2 Jr. Sr.
Arabic 2 Jr. Sr.
New Testament 2* Jr. Sr.
New Testament 6 Jr. Sr.
Biblical Literature 5* So. Jr. Sr.
Biblical Literature 2 So. Jr. Sr.
Mathematics 10 So. Jr. Sr.
Mathematics 14 So. Jr. Sr.
Mathematics 16 Jr. Sr.
" 19 Sr.
" 22* Sr.
Drawing 17 So. Jr. Sr.
" 8 So. Jr. Sr.
" 11 Jr. Sr.
" 28 Sr.
" 19 So. Jr. Sr.
Civil Engineering 2 So. Jr. Sr.
Civil Engineering Jr. Sr.
Civil Engineering 10 Sr.
Civil Engineering 14 Sr.

* Not offered in 1899-1900.

Civil Engineering 15 Sr.
Civil Engineering 16 Sr.
Civil Engineering 20 Sr.
Mechanical Engineering 4 Sr.
Mechanical Engineering 7 Sr.
Mechanical Engineering 10-18 So. Jr Sr.
Mechanics 4 Jr. Sr.
" 8 Sr.
Astronomy 2 Jr. Sr.
" 4 Jr. Sr.
" 9 Sr.
Physics 2 So. Jr. Sr.
" 9 Jr. Sr.
" 14 Sr.
" 12 Jr. Sr.
" 34 Sr.
" 18 Sr.
" 20 Sr.
" 27 Sr.
" 30 Jr. Sr.
Chemistry 2 So.
" 5 Jr.
" 8 Sr.
" 11 Sr.
" 13 Sr.
" 17 Sr.
Zoölogy 1 Jr. Sr.
Geology 1 Sr.
Comparative Anatomy 15 So. Jr. Sr.
Comparative Anatomy 4 So. Jr. Sr.
Comparative Anatomy 17* Jr. Sr.
Comparative Anatomy 20 Jr. Sr.
Comparative Anatomy 9 Jr. Sr.
Comparative Anatomy 32 Jr. Sr.
Botany 2 So. Jr. Sr.
" 5 So. Jr. Sr.
" 8 Jr. Sr.
" 13 So. Jr. Sr.

THIRD TERM

Philosophy 19 So. Jr.
" 38 Jr.
" 4 Jr.
" 22 Sr.
" 31 Jr. Sr
" 41 Sr.
" 10 Sr.
" 24 Sr.
" 35 Sr.
Pedagogy 3 Sr.
History 3 Jr. Sr.
" 16 Jr. Sr.
" 18* Jr. Sr.
" 6 Jr Sr.
" 9 Sr.
" 14 Sr.
Social Science 4 Jr. Sr.
" " 6 Jr. Sr.
Political Science 2* Jr. Sr.
Political Science 6 Jr. Sr.
Political Science 7 Jr. Sr.
Political Science 4 Jr. Sr.
Elementary Law 3* Jr. Sr.
Elementary Law 6* Jr. Sr.
Elementary Law 8 Jr. Sr.
Political Economy 12 So. Jr. Sr.
Political Economy 17 Jr. Sr.
History of Art 6 Jr. Sr.
" " " 8 Sr.
Music 3 So. Jr. Sr.
" 6 Jr. Sr.
" 9 Sr.
" 15 Jr. Sr.
" 12* Jr. Sr.
" 13 Jr. Sr.
Philology 6* Jr. Sr.
Greek 5 So.
" 9* Jr. Sr.
" 12* Jr. Sr.
" 15* Jr. Sr.
" 18* Jr. Sr.
" 24 So. Jr. Sr.
" 45 Jr. Sr.
" 33 Sr.
" 36 Sr.
" 42 Sr.
Latin 6 So.
" 9 Jr. Sr.
" 13* Jr. Sr.
" 39 So. Jr. Sr.
" 15* Jr. Sr.
" 33 Jr. Sr.
" 18 Jr. Sr.
" 21 Sr.
" 24* Sr.
English 12 So. Jr. Sr.
English 39 So. Jr. Sr.
" 3 So. Jr. Sr.
" 6 Jr. Sr.
" 33 Jr. Sr.
" 9 Jr. Sr.
" 45* Jr. Sr.
" 48* Jr. Sr.
" 52* Jr. Sr.
" 42 Jr. Sr.
" 38 Jr. Sr.
Rhetoric 18 So. Jr. Sr.
" 29 Jr. So.
" 21 Fr. So.
" 38 So. Jr. Sr.
German 8 Jr. Sr.
" 48 So Jr. Sr.
" 18 So. Jr. Sr.
" 42* So. Jr. Sr.
" 12 So. Jr. Sr.
French 6 So. Jr. Sr.
" 15* So Jr. Sr.
" 33 Jr. Sr.
" 30* Jr. Sr.
" 36* Sr.
Italian 3 So. Jr.
" 12* Jr. Sr.
Comparative Literature 3 Jr. Sr.
Spanish 3 So. Jr.
Hebrew 3 Jr. Sr.
" 6* Sr.
" 9 Sr.
Syriac 1 Jr. Sr.

* Not offered in 1899-1900.

Assyrian 3 Jr. Sr.
Arabic 3 Jr. Sr.
New Testament 3 Jr. Sr.
New Testament 7* Jr. Sr.
Biblical Literature 6* So. Jr. Sr.
Biblical Literature 3 So. Jr. Sr.
Mathematics 8 So. Jr. Sr.
Mathematics 11* So. Jr. Sr.
Mathematics 30 So. Jr. Sr.
Mathematics 12 So. Jr. Sr.
Mathematics 31 So. Jr. Sr.
Mathematics 20 Sr.
" 23* Sr.
Drawing 18 So. Jr. Sr.
" 14 So. Jr. Sr.
" 9 So. Jr. Sr.
" 12 Jr. Sr.
" 20 So. Jr. Sr.
Civil Engineering 3 So. Jr. Sr.
Civil Engineering 8, 8a So. Jr. Sr.
Civil Engineering 7, Jr. Sr.
Civil Engineering 11 Sr.
Civil Engineering 12 Jr. Sr.
Civil Engineering 17 Sr.
Civil Engineering 18 Sr.
Civil Engineering 21 Sr.
Mechanical Engineering 9 Jr. Sr.
Mechanical Engineering 5 Sr.
Mechanical Engineering 8 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
Mechanics 6 Jr. Sr.
Astronomy 6 Jr. Sr.
" 5 Jr. Sr.
" 10 Sr.
Physics 4 So. Jr. Sr.
" 32* So. Jr. Sr.
" 10 Jr. Sr.
" 16 Sr.
" 15 Jr. Sr.
" 35 Sr.
" 19 Sr.
" 21 Sr
" 28 Sr.
" 31 Jr. Sr.
Chemistry 3 So.
" 6 Jr.
" 9 Sr.
" 12 Sr.
" 14 Sr.
" 18 Sr.
" 20 Sr.
Zoölogy 2 Jr. Sr.
Anthropology 1 Sr.
Comparative Anatomy 2 So. Jr. Sr.
Comparative Anatomy 10 So. Jr. Sr.
Comparative Anatomy 30* Jr. Sr.
Comparative Anatomy 18 Jr. Sr.
Comparative Anatomy 21 Jr. Sr.
Comparative Anatomy 33 Jr. Sr.
Botany 3 So. Jr. Sr.
" 6 So. Jr. Sr.
" 12 Jr. Sr.
" 14 So. Jr. Sr.
" 9* Jr. Sr.
Bibliography 1 Jr. Sr.

* Not offered in 1899-1900.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

I. Prescribed Courses

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2, 4 hrs, or	Rhetoric 3, 4 hrs, or	Rhetoric 4, 4 hrs, or
Rhetoric 2, 3 hrs, and 19, 1 hr	Rhetoric 3, 3 hrs, and 20, 1 hr	Rhetoric 4, 3 hrs, and 21, 1 hr
	Gymnasium	
	and one of the following: †	
Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Greek 1	Greek 2	Greek 3
Latin 1	Latin 2	Latin 3
Comp. Anat. 15	Comp. Anat. 1	Comp. Anat. 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Electives, twelve hours	Gymnasium	Electives, twelve hours
	Electives, twelve hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Electives, fifteen hours
Electives,‡ twelve hours	Gymnasium	
	Electives twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice the work of the Senior year consists entirely of elective studies, fifteen hours per week.

II. Elective Courses

Same as for candidates for the degree of Bachelor of Arts. See list on pages 42-45.

* See note, p. 41.

† Freshmen whose entrance work is complete may carry Drawing 2, 3, 4 as an extra study.

‡ Every candidate for the degree of Bachelor of Philosophy must take before graduation some one complete course in Philosophy.

FOR CANDIDATES FOR THE DEGREE OF BACHELOR OF SCIENCE

I. Prescribed Courses

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 4, 5	Mathematics 6	Mathematics 7
Mathematics 9	Mathematics 10	Mathematics 12
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2, 4 hrs, or	Rhetoric 3, 4 hrs, or	Rhetoric 4, 4 hrs, or
Rhetoric 2, 3 hrs, and 19, 1 hr.	Rhetoric 3, 3 hrs, and 20, 1 hr.	Rhetoric 4, 3 hrs, and 21, 1 hr.
	Gymnasium	

and one of the following:

Botany 1	Botany 2	Botany 3
Drawing 1	Drawing 5	Drawing 6
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2

SOPHOMORE YEAR

German 1 or French A	German 2 or French B	German 3 or French C
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Electives, six hours	Gymnasium	Electives, six hours
	Electives, six hours	

JUNIOR YEAR

Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Electives, fifteen hours
Electives,† twelve hours	Gymnasium	
	Electives, twelve hours	

SENIOR YEAR

With the exception of Gymnasium practice, the work of the Senior year consists of fifteen hours of electives per week.

* See note, p. 41.

† Every candidate for the degree of Bachelor of Science must take before graduation some one complete course in Philosophy.

II. Elective Courses

FIRST TERM

Mathematics 13 So. Jr. Sr.
Mathematics 15 Jr. Sr.
" 18 Sr.
" 24 Sr.
Civil Engineering 1 So. Jr.
Civil Engineering 5, 5a Jr. Sr.
Civil Engineering 13 Sr.
Civil Engineering 19 Sr.
Mechanical Engineering 1 So. Jr. Sr.
Mechanical Engineering 3 Sr.
Mechanical Engineering 6 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
French 4 So. Jr. Sr.
" 31 Jr. Sr.
German 4 So. Jr. Sr.
Botany 1 So. Jr. Sr.
Botany 4 So. Jr. Sr.
Botany 7 Jr. Sr.
Comparative Anatomy 15 So. Jr. Sr.
Comparative Anatomy 3 So. Jr. Sr.
Comparative Anatomy 31 Jr. Sr.
Comparative Anatomy 19 Jr. Sr.
Mechanics 3 So. Jr. Sr.
" 7 Jr. Sr.
Astronomy 1 Jr. Sr.
" 3 Jr. Sr.
" 8 Sr.
Chemistry 4 Jr. Sr.
" 7 Sr.
" 10 Sr.
Physics 5 Jr. Sr.
" 11 Jr. Sr.
" 13 Sr.
" 17 Sr.
" 26 Sr.
" 29 Jr. Sr.
" 33 Sr.
Spanish 1 So. Jr. Sr.
Italian 1 So. Jr. Sr.
History 4 Jr. Sr.
" 7 Sr.
Philosophy 36 Jr.
" 2 Jr.
" 20 Sr.
" 29 Jr. Sr.
" 8 Sr.
" 5 Sr.
" 39 Sr.
" 33 Sr.
English 1 So. Jr. Sr.
" 27 So. Jr. Sr.
Social Science 12 So. Jr. Sr.
Social Science 2 Jr. Sr.
Political Science 5 Jr. Sr.
Political Economy 6 Jr. Sr.
Political Economy 15 Jr. Sr.
Geology 1 Sr.
Pedagogy 1 Sr.

SECOND TERM

Mathematics 14 So. Jr.
" 19 Jr. Sr.
" 25 Sr.
" 16 Jr. Sr.
Civil Engineering 2 So. Jr.
Civil Engineering 6 Jr. Sr.
Civil Engineering 10 Jr. Sr.
Civil Engineering 14 Sr.
Civil Engineering 15 Jr. Sr.
Civil Engineering 16 Sr.
Civil Engineering 20 Sr.
Mechanical Engineering 4 Sr.
Mechanical Engineering 7 Sr.
Mechanical Engineering 10-18 So. Jr. Sr.
French 5 So. Jr. Sr.
" 32 Jr. Sr.
German 6 So. Jr. Sr.
Botany 2 So. Jr. Sr.
" 5 So. Jr. Sr.
" 8 Jr. Sr.
" 13 So. Jr. Sr.
Comparative Anatomy 1 So. Jr. Sr.
Comparative Anatomy 4 So. Jr. Sr.
Comparative Anatomy 32 Jr. Sr.
Comparative Anatomy 20 Jr. Sr.
Comparative Anatomy 9 Jr. Sr.
Mechanics 4 So. Jr. Sr.
" 8 Jr. Sr.
Astronomy 2 Jr. Sr.
" 4 Jr. Sr.
" 9 Sr.
Chemistry 5 Jr. Sr.
" 8 Sr.
" 11 Sr.
Chemistry 13 Sr.
" 17 Sr.
Physics 9 Jr. Sr.
" 12 Sr.
" 27 Sr.
" 14 Sr.
" 30 Sr.
" 18 Sr.
" 34 Sr.
" 20 Sr.
Spanish 2 So. Jr. Sr.
Italian 2 So. Jr. Sr.
History 5 Jr. Sr.
" 8 Sr.
Philosophy 37 Jr.
" 3 Jr.
" 21 Sr.
" 30 Jr. Sr.
" 9 Sr.
" 23 Sr.
" 40 Sr.
" 27 Jr. Sr.
" 26 Sr.
" 17 Sr.
" 34 Sr.

English 2 So. Jr. Sr.
" 28 So. Jr. Sr.
Social Science 5 Jr. Sr.
Political Science 12 So. Jr. Sr.
Political Science 3 Jr. Sr.
Political Economy 5 Jr. Sr.
Political Economy 16 [Jr. Sr.
Geology 2 Sr.
Zoölogy 1 Jr. Sr.
Pedagogy 2 Sr.

THIRD TERM

Mathematics 11 So. Jr. Sr.
Mathematics 8 So. Jr. Sr.
Mathematics 20 Sr.
" 31 Jr. Sr.
" 26 Sr.
Civil Engineering 3 So. Jr.
Civil Engineering 8, 8a So. Jr. Sr.
Civil Engineering 7 Jr. Sr.
Civil Engineering 11 Jr. Sr.
Civil Engineering 12 Jr. Sr.
Civil Engineering 17 Jr. Sr.
Civil Engineering 18 Jr. Sr.
Civil Engineering 21 Sr.
Mechanical Engineering 9 Jr. Sr.
Mechanical Engineering 5 Sr.
Mechanical Engineering 8 Sr.
Mechanical Engineering 10 18 So. Jr. Sr.
French 6 So. Jr. Sr.
French 33 Jr. Sr.
German 8 So. Jr. Sr.
Botany 3 So. Jr. Sr.
" 6 So. Jr. Sr.
" 12 Jr. Sr.
" 14 So. Jr. Sr.
Comparative Anatomy 2 So. Jr. Sr.
Comparative Anatomy 10 So. Jr. Sr.
Comparative Anatomy 18 Jr. Sr.
Comparative Anatomy 21 Jr. Sr.
Comparative Anatomy 33 Jr. Sr.
Mechanics 6 So. Jr. Sr.
Astronomy 6 Jr Sr.
" 5 Jr. Sr.
" 10 Sr.
Chemistry 6 Jr. Sr.
" 9 Sr.
" 12 Sr.
" 14 Sr.
" 18 Sr.
" 20 Sr.
Physics 10 Jr. Sr.
" 15 Sr.
" 16 Sr.
" 35 Sr.
" 21 Sr.
" 19 Sr.
" 28 Sr.
Physics 31 Jr. Sr.
Spanish 3 So. Jr. Sr.
Italian 3 So. Jr. Sr.
History 6 Jr. Sr.
" 9 Sr.
Philosophy 38 Jr.
" 19 Jr.
" 4 Jr.
" 22 Sr.
" 31 Jr. Sr.
" 10 Sr.
" 41 Sr.
" 24 Sr.
" 35 Sr.
English 3 So. Jr. Sr.
" 39 Jr. Sr.
Social Science 4 Jr. Sr.
" " 6 Jr. Sr.
Political Science 6 Jr. Sr.
Political Science 7 Jr. Sr.
Political Science 4 Jr. Sr.
Political Economy 12 So. Jr. Sr.
Political Economy 17 Jr. Sr.
Geology 3 Sr.
Anthropology 1 Sr.
Zoölogy 2 Jr. Sr.
Pedagogy 3 Sr.

FOR CANDIDATES FOR THE DEGREE OF CIVIL ENGINEER

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Drawing 2	Drawing 3	Drawing 4
Drawing 1	Drawing 5	Drawing 6
Drawing 29	Drawing 30	Drawing 31
Rhetoric 2	Rhetoric 3	Rhetoric 4
	Gymnasium	

SOPHOMORE YEAR

Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
Drawing 7	Civil Engineering 4	Civil Engineering 8
Mathematics 9	Mathematics 10	Civil Engineering 8a
German 1 or French A	German 2 or French B	Mathematics 12
Physics 1	Physics 2	German 3 or French C
Chemistry 1	Chemistry 2	Physics 4
	Gymnasium	Chemistry 3

JUNIOR YEAR

Civil Engineering 5	Civil Engineering 6	Civil Engineering 7
Civil Engineering 5a	Mathematics 14	Civil Engineering 12
Mathematics 13	Mechanics 4	Mechanics 6
Mechanics 3	Astronomy 3	Astronomy 4
Astronomy 1	Physics 9	Physics 10
Physics 5	Civil Engineering 16	Mathematics 31
	Gymnasium	

SENIOR YEAR

Civil Engineering 19	Civil Engineering 10	Civil Engineering 11
Civil Engineering 13	Civil Engineering 14	Civil Engineering 18
Mechanics 7	Civil Engineering 15	Civil Engineering 17
Geology 1	Civil Engineering 20	Civil Engineering 21
Thesis	Mechanics 8	Civil Engineering
	Thesis	Thesis
	Gymnasium	

* See note p. 41.

FOR CANDIDATES FOR THE DEGREE OF MECHANICAL ENGINEER

FRESHMAN YEAR

First Term	*Second Term*	*Third Term*
Mathematics 1	Mathematics 3	Mathematics 2
Drawing 1	Drawing 5	Drawing 6
Drawing 2	Drawing 3	Drawing 4
*French 1 or German 4	French 2 or German 6	French 3 or German 8
Rhetoric 2	Rhetoric 3	Rhetoric 4
	Gymnasium	

SOPHOMORE YEAR

Mathematics 9	Mathematics 10	Mathematics 12
Drawing 7	Drawing 8	Drawing 9
Mech. Engineering 1	Mech. Engineering 10	Mech. Engineering 11
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
German 1 or French A	German 2 or French B	German 3 or French C
	Gymnasium	

JUNIOR YEAR

Philosophy 2	Philosophy 3	Philosophy 19
Mathematics 13	Mathematics 14	Mech. Engineering 9
Mechanics 3	Mechanics 4	Mechanics 6
Drawing 10	Drawing 11	Drawing 12
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Physics 5	Physics 9	Physics 10
	Gymnasium	

SENIOR YEAR

Mechanics 7	Mechanics 8	Thesis Work
Mech. Engineering 3	Mech. Engineering 4	Mech. Engineering 5
Mech. Engineering 6	Mech. Engineering 7	Mech. Engineering 8
Drawing 27 †	Drawing 28 †	Original Design
Mech. Engineering 15	Mech. Engineering 16	
	Gymnasium	

* See note p. 41.

† Students who desire to pursue Electrical Work may, if they so elect, substitute Physics 11, 12 and 15, for Drawing 27 and 28.

GRADUATE DEGREES

Master of Arts

To become enrolled for the degree of Master of Arts:

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters.

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which the studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications for resident candidates must be filed on or before the first day of the academic year, those of non-resident candidates on or before October first.

To obtain the degree of Master of Arts:

1. Candidates must complete a thorough course, approved by the Faculty, of liberal graduate study, sufficient in amount to constitute a fifth year of college work, and must pass satisfactory examinations thereupon. Where graduate students pursue courses primarily designed for undergraduates, a higher degree of scholarship will be required than in the case of undergraduates. By continuous residence at the University, candidates fulfilling the above conditions may receive the degree in one year; in cases of partial or entire non-residence the degree will not be conferred until after two years of graduate study. Candidates registered as non-resident who yet desire some instruction at the University may receive such. All candidates who receive instruction at the University are required to register at the Registrar's office for the course or courses desired.

2. Candidates for the degree of Master of Arts who have studied in residence must have their final examinations certified by their officers of instruction to the Committee on Graduate Students before the second Wednesday in June.

3. All non-resident candidates for the degree of Master of Arts are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to appear for examination is given on or before April first of the year in which

the candidate desires to obtain his degree. In the case of courses which the candidate pursues in residence, the certificates mentioned in the preceding paragraph are accepted in lieu of public examination.

For the University dues connected with graduate study, see on a later page under "Expenses."

Doctor of Philosophy

To become enrolled for the degree of Doctor of Philosophy:

1. Every candidate must have obtained the degree of Bachelor of Arts, of Philosophy, of Science or of Letters.

2. Every candidate must file an application with the Secretary of the Committee on Graduate Students, naming the departments he wishes to enter. The application must be made on a blank provided by the Secretary of the Committee or by the Registrar of the University, and must be signed by the heads of the departments in which his studies come. If not a graduate of Brown University, the candidate will be required to submit to the Secretary of the Committee, with his application, his diploma or other official evidence of having received a first academic degree, and also a marked catalogue or detailed statement showing the academic courses he has pursued.

3. The applications of candidates for the degree of Doctor of Philosophy must be filed on or before the first day of the academic year.

To obtain the degree of Doctor of Philosophy:

1. Candidates must reside at the University at least two years after enrollment, pursuing a systematic course of study approved by the Faculty and the Board of Fellows, and sustaining satisfactory examinations on the same, concluding their course with a thesis giving evidence of high scholarship and of special excellence in the studies pursued.

2. For the degree of Doctor of Philosophy two courses at least are required, a major and a minor. To receive this degree candidates must possess further a good knowledge of Latin, French and German, unless for special reasons excused in respect to one or more of these languages. To test the candidates' proficiency in the use of these languages for the purpose of their special studies, they must be examined before the first day of December in the last year of their candidacy.

3. A year of work for the degree of Master of Arts, unless performed in residence, cannot be counted as a year of work for the higher degree; and it is not necessarily so counted even when performed in residence.

4. All candidates for the degree of Doctor of Philosophy are examined publicly before the first of June by a Committee of the Faculty. The examinations are held only when notification of the intention to appear for examination is given on or before April first of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the

degree of Doctor of Philosophy must be presented to the Faculty, in typewritten copy or print, before the first of April in that year. The approval of such thesis by the Faculty is essential to the attainment of the degree.

For the University dues connected with graduate study, see on a later page, under "Expenses."

Special Graduate Students

Students who desire to pursue graduate studies without being candidates for an advanced degree, are admitted on fulfillment of the conditions specified in paragraph 2 under enrollment on page 53.

COURSES OF INSTRUCTION ARRANGED ACCORDING TO DEPARTMENTS

I. Philosophy

The President, Professors Delabarre, Everett, Jacobs and Meiklejohn, Dr. Dennis

PHILOSOPHY AND PSYCHOLOGY

Note: Some one complete course in this department is required of every candidate for a degree, except that of Civil Engineer. By a complete course is understood all that is grouped together as a three-hour course under a single name in the accompanying announcements, whether it consists of one term's work or of several. The courses in Pedagogy cannot be taken to satisfy this requirement.

19. *Logic.* Three hours. Third term. Elective for Sophomores and Juniors.

Intended to make clear the difference between valid and false reasoning.

Professor Meiklejohn

27. *Scientific Methods.* Three hours. Second term. Elective for Juniors and Seniors who have taken Philosophy 19 or 36.

Aims and methods of Natural Science; an attempt to determine from these the significance of scientific results.

Professor Meiklejohn

36, 37, 38. *Philosophical Introduction.* Three hours. Through the year. Elective for Juniors.

An elementary course in the main problems of philosophy and their typical solutions; intended to acquaint the student with the attitude and method adopted in philosophical discussion, and to introduce him to the literature of the subject.

Professors Delabarre, Everett and Meiklejohn

2, 3, 4. *Psychology, introductory course.* Three hours. Through the year. Elective for Juniors.

The main facts and laws of mental life; particular attention to their arrangement in a thorough and comprehensive scientific system, also to their philosophical bearing. The course is thus of value not only because of the immense importance of a knowledge of mental law for practical life, but also as a transition from the special sciences to philosophy.

Professor Delabarre

20, 21, 22. *Psychology, advanced course.* Three hours. Through the year. Elective for Seniors and Graduates.

A seminary for the discussion of important and interesting questions in psychology. First Term, the fundamental principles of psychology; Second Term, abnormal and unusual states of consciousness; Third Term, subject undetermined.

Professor DELABARRE

29, 30, 31. *Experimental Psychology, introductory laboratory course.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have taken or are taking 2, 3, 4.

Six hours of attendance. The main lines and results of experimental research described; many of them demonstrated by the instructor or worked out by the class; training in the use of apparatus and in careful scientific observation and measurement.

Professors DELABARRE and MEIKLEJOHN

39, 40, 41. *Experimental Psychology; advanced and original laboratory work.* Through the year. Elective for students who have taken 29, 30, 31.

This course may be taken for any number of hours up to six in the case of undergraduates, or more in the case of graduates, with double the number of hours of attendance. The problems investigated will vary from year to year according to the interests of instructor and students, and the course may therefore be taken two or more years in succession. The aim is to make original contributions to scientific knowledge in Psychology and to publish the results.

Professors DELABARRE and MEIKLEJOHN

8, 9, 10. *History of Philosophy.* Three hours. Through the year. Elective for Seniors and Graduates.

First Term, Greek philosophy; Second Term, mediæval and early modern philosophy; Third Term, recent and contemporary philosophy. The successive philosophical systems in their dialectical developments and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well.

Professor EVERETT

5, 23. *Theoretical Ethics.* Three hours. First and Second Terms. Elective for Seniors and Graduates.

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems; Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct.

Professor EVERETT

26. *Outlines of the History of Religion.* Two hours. Second Term. Elective for Seniors and Graduates.

The great religious systems of the world, chiefly in their philosophical aspects.

Professor EVERETT

24. *Philosophy of Religion.* Three hours. Third Term. Elective for Seniors and Graduates who have had previous philosophical training.

An investigation of the ultimate grounds of religious belief.

Professor EVERETT

14, 28, 42. *Philosophical Seminary.* Two hours. Through the year. Elective for Graduates.

Lectures, papers and discussions on the more difficult problems of philosophy. Subject for 1899-1900, Ethical Theory since Kant. Beginning with Kant this course will trace the development of the leading ethical systems of modern times. Although the basis of the work will be historical. constant attention will be given to the construction ot a tenable theory of morals. Two hours. Through the year. Elective for graduates only.

Professor EVERETT

17. *Discussions in Casuistry.* One hour. Second Term. Elective for Seniors and Graduates.

Intended to aid in clearly formulating views upon different problems of the moral life.

Professor MEIKLEJOHN

33, 34, 35. *The Philosophy of Kant.* Two hours. Through the year. Elective for Seniors and Graduates.

Kant's works are studied as the source of German Rationalism. the purpose being not only to discover the author's thought, but also by discussion to follow the trend of his suggestions.

Professor MEIKLEJOHN

Philosophical Club. A Philosophical Club, consisting of Graduate, Senior and Junior students of philosophy in all its branches, has been formed for the encouragement of the independent discussion of philosophical questions and for the fostering of a more intelligent interest in the subject. The club meets once a month for the reading of papers and for free discussion. Though the organization is primarily in the hands of the students, the officers of instruction in the philosophical department, as well as other persons interested in philosophy but not members of the University, are usually present to take part in the proceedings.

PEDAGOGY

Professor JACOBS and Dr. DENNIS

1. *History of Educational Theories and Institutions.* Three hours. First Term. Elective for Seniors and Graduates.

Lectures, essays, and private reading of educational classics.

Dr. DENNIS

2. *Institutes of Pedagogy.* Three hours. Second Term. Elective for Seniors and Graduates.

Lectures, essays and conferences.

Professor JACOBS

3. *Practical Pedagogy.* Three hours. Third Term. Elective for Seniors and Graduates.

School systems in this country and in Europe, school management and discipline, methods in teaching certain subjects; opportunity for observation of typical schools.

Professor JACOBS

4. *Seminary in Pedagogy.* Two hours. First Term. For student-teachers and, by special permission, elective for others.

Herbartian Pedagogy. Lange's Apperception, Dörpfeld's Thought and Memory, Herbart's Science of Education.

Professor JACOBS

5. *Seminary in Pedagogy.* Two hours. Second Term. For student-teachers and, by special permission, elective for others.

Harris' Psychological Foundations of Education.

Professor JACOBS

6. *Seminary in Pedagogy* Two hours. Third Term. For student-teachers and, by special permission, elective for o hers.

School Hygiene. Child Study, including the period of adolescence.

Professor JACOBS

NOTE: From members of the Senior class who have completed the course in Pedagogy offered during the Senior year, the school committee of the City of Providence make appointments to the position of student-teacher in the High School. To those thus appointed the High School serves as a school of observation and practice in connection with the graduate course in Pedagogy. In return for the services rendered, the city gives such a student-teacher half the pay of a regular teacher. The time required each day is somewhat more than half the usual period of service. An unusual opportunity is thus afforded student-teachers to gain a thorough knowledge of the theory of pedagogy and at the same time practical experience in the art of teaching.

7, 8, 9. *Seminary in Methods.* Two hours. Through the year. For student-teachers and, by special permission, elective for others.

Methods in discipline; Latin, Greek, French, English, History, Mathematics, Physics, Chemistry, Botany, and Astronomy.

Professor JACOBS and Dr. DENNIS

10, 11, 12. *Problems in Practical Teaching.* Once a week. Through the year. For student-teachers.

Seminary course. Control and conduct of classes, plans for single lessons and for "method wholes," teaching under observation, observation of the work of experienced teachers, reports, private conferences, theses upon practical questions of educational work.

Professor JACOBS

II. HISTORY

Professors JAMESON and MUNRO, Mr. JOHNSTON

1, 2. *General Mediæval History of Europe.* Three hours. First and Second Terms. Required of all Juniors.

Recitations and lectures, reports by members of the class, supplementary readings.

Professor MUNRO

NOTE: Similar methods are used in the following courses down to 9 inclusive.

15. *Islam and the Crusades.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

11. *History of the Renaissance.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

3. *History of the Reformation.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

16. *The French Revolution.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Professor MUNRO

18. *Spanish History.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Professor MUNRO

4. *English Constitutional and Political History to 1625.* Three hours. First Term. Elective for Juniors and Seniors.

Mr. JOHNSTON

5. *English Constitutional and Political History since 1625.* Three hours. Second Term. Elective for Juniors and Seniors.

Mr. JOHNSTON

6. *History of Europe since 1800.* Three hours. Third Term. Elective for Juniors and Seniors.

Mr. JOHNSTON

7. *Constitutional and Political History of the United States to 1763.* Three hours. First Term. Elective for Seniors.

Professor JAMESON

8. *Constitutional and Political History of the United States from 1763 to 1829.* Three hours. Second Term. Elective for Seniors.

Professor JAMESON

9. *Constitutional and Political History of the United States since 1829.* Three hours Third Term. Elective for Seniors.

Professor JAMESON

10. *Principles of Historical Criticism.* One hour. Through the year. Elective for Graduates.

Professor JAMESON

13. *History of Historical Writing in Modern Europe.* One hour. Through the year. Elective for Graduates.

Professor JAMESON

17. *Historical Bibliography.* One hour. Through the year. Elective for Graduates.

Professor JAMESON

12. *Practical Course in European History.* One hour. Through the year. Elective for Graduates.

In 1899-1900, the history of the relations of England to the French Revolution.

Professor JAMESON

14. *Practical Course in American History.* One hour. Through the year. Elective for Graduates and for Seniors who are taking 7, 8 and 9.

In 1899-1900, the legislation of the American colonies.

Professor JAMESON

Historical Seminaries. The Historical Seminary, conducted by Professor Jameson, and including the Graduate Students of history and a few of the most advanced Undergraduates, holds meetings devoted to original papers, to reports upon studies of methods, and to the historical reviews and journals. The Seminary of Mediæval History, conducted by Professor Munro, is devoted to similar work in connection with his courses.

III. Social and Political Science

Professors Wilson and Dealey, Mr. Barrows

SOCIAL SCIENCE

12. *Social Science, elementary.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Professor Wilson

Note: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy. These elementary courses are open to Sophomores, Juniors and Seniors.*

2. *Social Problems and Conditions.* Three hours. First Term. Elective for Juniors and Seniors.

Relating to the family, charity, criminology, etc.

Professor Dealey

5. *Development of Social Theory.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Social theories, ancient and modern.

Professor Dealey

Note: In the present year this course will be given by Professors Wilson and Gardner in the Second Term.

4. *Social Philosophy.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The place of social studies, comparison of aims and ideals in social life, social well-being.

Professor Wilson

6. *Municipal Functions and Administration.* Three hours. Third Term. Elective for Juniors and Seniors.

Segregation of population, its causes; problems. Comparative and historical study.

Professor Dealey

Note: This course, given in the First Term heretofore, will be given in the Third Term hereafter beginning with the year 1900-1901.

7, 8, 9. *Current Social Theory and Practice.* One hour. Through the year. Elective for Graduates.

Practical sociological investigations.

Professors Wilson and Dealey

POLITICAL SCIENCE

12. *Political Science, elementary.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12.

Professor DEALEY

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term) which together constitute a single course introductory to the departments of Social and Political Science and Political Economy. These elementary courses are open to Sophomores, Juniors and Seniors.*

2. *Comparative Study of Constitutions.* Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

With special reference to the constitutions of Germany, France, Great Britain and Switzerland.

Professor DEALEY

3. *International Law and Relations.* Three hours. First Term. Elective for Juniors and Seniors.

Professor WILSON

NOTE: In the present year this course will be given in the Second Term.

4. *United States Constitutions.* Three hours. First Term. Elective for Juniors and Seniors.

National and local constitutions and institutions.

Professor DEALEY

In the present year this course will be given in the Third Term.

5. *Development of Political Theory.* Three hours. First Term. Elective for Juniors, Seniors and Graduates. To be omitted in 1900-1901.

Growth of important political ideas traced from Plato to the present time, with emphasis upon the evolution of Democracy.

Professor DEALEY

6. *Roman Law.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Influence of Roman law on political institutions. Historical and legal exposition.

7. *Diplomacy.* Three hours. Third Term. Elective for students who have passed in 3 and for Graduates.

Art and practice of international negotiation.

Professor WILSON

8, 9, 10. *Current Political Theory and Practice.* One hour. Through the year. Elective for Graduates.

Investigation of topics in American and foreign politics.

Professors WILSON and DEALEY

In view of the larger responsibilities involved in changed national conditions and policy, additional courses in constitutional development, administration, diplomacy and statistics, will be offered in the Second Term of the year 1900-1901, and thereafter.

ELEMENTARY LAW

Mr. BARROWS

4. *Torts and Criminal Law.* Three hours. First Term. Elective for Juniors and Seniors.

NOTE: Groups 4, 7, 8, and 9, 1, 3 are given in alternate years; 4, 7, 8 being the group for 1899-1900. They should be taken consecutively, beginning in the Junior year with either 4 or 9. These six courses prepare thorough students to enter law schools with advanced standing and possibly to shorten their law course by one year; they also give a good foundation to the student who expects to prepare for the bar in a law office.

7. *Equity.* Three hours. Second Term. Elective for Juniors and Seniors.

8. *Equity.* Three hours. Third Term. Elective for students who have passed in 7.

9. *Historical Development of English Law.* Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

1. *Persons and Personal Property.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

3. *Contracts.* Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

2. *Real Property.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

5. *Common Law Practice and Pleading.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

6. *Evidence.* Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

IV. POLITICAL ECONOMY

Professor GARDNER

12. *Political Economy, elementary.* Three hours. Third Term. Elective for Sophomores, Juniors and Seniors who have passed in Social Science 12 and Political Science 12.

NOTE: *The courses in this department, other than 12, are open only to those students who have passed in Social Science 12 (first term), Political Science 12 (second term), and Political Economy 12 (third term), which together constitute a single course introductory to the departments of Social and Political Science and Political Economy. These elementary courses are open to Sophomores, Juniors and Seniors.*

13, 14. *General Economics.* Three hours. First and Second Terms. Elective for Juniors and Seniors. Not offered in 1899-1900. To be offered in the year 1900-1901 and each year thereafter.

Based on Hadley's Economics.

All students intending to take courses in this department are strongly advised to begin with 13, 14. Other courses may, if desired, be advantageously taken at the same time.

6. *Money and Banking.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Based on the Final Report of the Monetary Commission, with lectures.

15. *The Labor Movement, with special reference to Trade Unions.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Based on Webb's Industrial Democracy, with lectures on the Labor Movement in the United States.

5. *Public Finance.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Based on H. C. Adams' Public Finance, with a description of the financial systems of the United States and foreign countries, including local finance.

16. *Industrial Corporations, their history, significance and regulation.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Special attention will be given to railways and other quasi-public corporations.

17. *History of the Tariff Policy of the United States.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Based on Taussig's Tariff History of the United States.

NOTE: Courses 6, 15, 5, 16 and 17 will be offered this year, in the year 1900-1901, and in alternate years thereafter. In the year 1901-2 will be given courses in economic theory, economic history and commerce.

V. The Fine Arts

Professors Poland and Ashton

HISTORY AND CRITICISM

Professor Poland

1. *Ancient Art or Classical Archæology.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

General course in the history of ancient art, chiefly Greek and Roman. Text book; lectures illustrated by casts, slides, photographs and engravings; collateral reading.

Note: Courses 1, 4 and 6 may be taken independently, but students are advised to elect all three in the above order. Students are strongly advised to take 1, if possible, before any other course in the History of Art. A knowledge of Greek, Latin, German and French is very helpful to those who pursue even the general courses in this department.

4. *Early Christian and Mediæval Art.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Notice of Byzantine, Arabian, and Oriental art; study of Romanesque and Gothic art. Text-book, lectures, lantern views.

6. *Art of the Renaissance.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

The fifteenth and sixteenth centuries. The effect on art of the dominant motives of the epoch, the development of art in the different countries of Europe, the great masters and their most significant works. Text-book, lectures, lantern views.

7, 9. *Modern Art.* Three hours. First and Second Terms. Elective for students who have passed in 6.

First Term, the seventeenth and eighteenth centuries; Second Term, the nineteenth century.

Note: Courses 7, 9 and 8 form a consecutive outline.

8. *Theory and Criticism of the Fine Arts.* Three hours. Third Term. Elective for students who have passed in any course in the History of Art.

Study of the more important facts and laws of artistic production.

10. *Seminary in Classical Architecture.* Elective for Graduates. Not offered in 1899-1900.

Critical study; Vitruvius read in the original Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius in the Renaissance.

Note: Courses 10, 11 and 3 constitute a consecutive critical course in classical archæology, especially useful to those who wish to do advanced work in classical archæology, philology or history.

11. *Seminary in Greek and Roman Sculpture.* Elective for Graduates. Not offered in 1899-1900.

Study of sources; critical reading of selected passages from Greek and Roman authors bearing on the history of sculpture, as presented in Overbeck's *Schriftquellen.*

3. *Seminary Study of the Acropolis of Athens.* Elective for Graduates. Not offered in 1899-1900.

Critical reading, in the Greek, of Pausanias' account of the Acropolis of Athens; lectures and illustrations.

12. *Seminary in Renaissance Art.* Elective for Graduates. Not offered in 1899-1900.

Critical study of the art of the fifteenth and sixteenth centuries, particularly in Italy. The general spiritual conditions, the influences prevalent in art, a more detailed study of the great masters than in 6. which must be taken (or its equivalent) before this course.

MUSIC

Professor Ashton

1, 2, 3. *Harmony.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

First Term, the construction and connection of chords, the writing of exercises; Second Term, modulation, non-harmonic notes, harmonization of melodies; Third Term, analysis of harmony in compositions by the best writers, the study of melody, the writing of compositions.

Note: Courses 1 to 9 inclusive are sequential and must be taken in order.

4, 5. *Counterpoint.* Three hours. First and Second Terms. Elective for students who have passed with credit in 1, 2, 3.

Study of the rules of counterpoint; constant practice in contrapuntal writing; analysis of works by the best contrapuntal writers.

6, 7. *Strict Composition.* Three hours. Third and First Terms. Elective for students who have passed with credit in 4, 5.

The writing of canons of various kinds and of two, three and four-part fugues.

8, 9. *Free Composition.* Three hours. Second and Third Terms. Elective for students who have passed with credit in 6, 7.

14. *Musical Introduction.* Three hours. Second Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course which considers such of the elements of music and the principles of musical composition as will enable the student to listen to music with intelligent interest and genuine profit.

15. *Music and Musicians of the Nineteenth Century.* Three hours. Third Term. Elective for Juniors and Seniors who have not passed in or who are not taking 10, 11, 12.

A general course to acquaint the student with the life, works and style of Beethoven, Schubert, Schumann, Mendelssohn, Wagner and other famous composers of this century.

10, 11, 12. *Structure and History of Music.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Lectures on the history of music from the earliest times down to the present, accompanied by an analysis of representative compositions.

13. *Sacred Music.* Three hours. Third Term. Elective for Juniors and Seniors.

The history of sacred music and a study of music in its application to religious worship. Designed for those who are to be intrusted with the direction of church music.

20, 21, 22. *The Symphony.* Three hours. Through the year. Elective for Graduates.

Study of the evolution of the symphony orchestra and of the works of symphonists from Haydn to Brahms and Tschaikowsky.

VI. Indo-European Philology

Professor Allinson

1. *General Introduction to the Study of Language.* Three hours. Second Term. Elective for Juniors and Seniors.

Outline of the history of language. The Indo-European family. Adapted for students of languages, ancient or modern.

4, 5. *Sanskrit, elementary.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Adapted to students whose chief interest is found in the Germanic or classical literatures, and philology. Not offered in 1899-1900.

6. *Sanskrit, advanced.* Three hours. Third Term. Elective for students who have passed in 4 and 5, or an equivalent.

Selections from the Vedic Hymns. Not offered in 1899-1900

7. *Seminary in Comparative Philology.* One two-hour session weekly. First Term. Elective for Graduates and qualified Seniors.

NOTE: This course may be continued in the Third Term as an alternate for Greek 36.

VII. Greek Literature and History

Professors MANATT, ALLINSON and G. A. WILLIAMS

1. *Lysias.* Three hours. *Greek Prose Composition.* One hour. First Term. Required of candidates for the degree of Bachelor of Arts.

Lysias, select orations and practice in sight reading.

Professors ALLINSON and G. A. WILLIAMS

2. *Plato.* Three hours. *Greek History.* One hour. Second Term. Required of candidates for the degree of Bachelor of Arts.

Plato's Apology and Crito, with other selections for sight reading. The fourth hour is devoted to illustrated historical lectures in connection with the reading of a standard work on Greek history.

Professors MANATT and ALLINSON

3. *Homer.* Three hours. *Greek Literature.* One hour. Third Term. Required of candidates for the degree of Bachelor of Arts.

The Odyssey, four books, rapid reading of other books; lectures on the life of the Heroic Age as revealed in the poems and illustrated by recent archæological research.

Professors MANATT and ALLINSON

6. *Dramatic Poets.* Three hours. First Term. Elective for Sophomores.

Sophocles, Œdipus Rex; Æschylus, Prometheus.

Professor ALLINSON

4. *Demosthenes and Theocritus.* Three hours. Second Term. Elective for Sophomores.

The Philippics of Demosthenes and Select Idylls of Theocritus.

Professor MANATT

5. *Lucian.* Three hours. Third Term. Elective for Sophomores.

Selections from Lucian.

Professor ALLINSON

7, 8, 9. *Historians.* Three hours. Through the year. Elective for Juniors and Seniors who have completed 1-6 or equivalent work. Not offered in 1899-1900.

Herodotus, Thucydides and Xenophon; parallel reading from Plutarch's Lives, outline sketch of Greek history down to the present day.

Professor MANATT

10. *Isæus.* Three hours. First Term. Elective for students who have completed 1-6 or equivalent work. Not offered in 1899-1900.

The extant speeches read and discussed in their bearings on Athenian family life and testamentary law; collateral reading, Jebb's Attic Orators.

Professor MANATT

11. *Demosthenes.* Three hours. Second Term. Elective for students who have completed 1-6 or equivalent work. Not offered in 1899-1900.

Private Speeches, selected to illustrate the workings of Athenian institutions.

Professor MANATT

12. *Æschines and Demosthenes.* Three hours. Third Term. Elective for students who have completed 1-6 or equivalent work. Not offered in 1899-1900.

Speeches on the Crown; study of the Macedonian period and of Athenian political life.

Professor MANATT

13, 14, 15. *Homer.* Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1899-1900.

The Odyssey, portions of the Iliad and the Hymns in the original, the remainder of the poems in translation.

Professor MANATT

16. *Herodotus I-III.* Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

A rapid reading of the earlier books of Herodotus illustrating the connection between Greece, Egypt and Asia.

Professor ALLINSON

17. *Thucydides.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

One book entire with selections from the others. Collateral study of the topography and monuments, of Athenian politics in the Fifth Century, and of the sources of Greek History.

Professor MANATT

18. *Thucydides, continued;* or *Demosthenes on the Crown* (as the class may elect). Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

Professor MANATT

23, 24. *Modern Greek.* One hour. Second and Third Terms. Elective for Sophomores, Juniors and Seniors.

Professor MANATT

28. *Lucian.* Three hours. First Term. Elective for Juniors and Seniors.

The *Vera Historia*, and Vol. III. of the Teubner Text edition.

Professor ALLINSON

44. *Homer.* Three hours. Second Term. Elective for Juniors and Seniors.

Reading of the Iliad xviii-xxiv, a structural study of the whole poem, and lectures on the main results of Mycenæan Archæology.

Professor MANATT

45. *The Drama.* Three hours. Third Term. Elective for Juniors and Seniors.

Select Plays of Euripides and Aristophanes, with lectures on the Greek Theatre.

Professor MANATT

43. *Greek Composition, advanced.* One hour. Second Term. Elective for Sophomores, Juniors and Seniors.

Practice in prepared and in extemporaneous writing of Greek. For those who intend to teach or otherwise to specialize in the classics.

Professor ALLINSON

25, 26. *Thucydides.* One two-hour session weekly. First and Second Terms. Elective for Graduates and approved Seniors. Not offered in 1899-1900.

Reading of the narrative entire with selections from the speeches, outline study of Greek History from the earliest times down to the present day. Special attention to topography, politics, and historical sources.

Professor MANATT

32, 33. *Attic Orators.* Two hours. Second and Third Terms. Elective for Graduates and approved Seniors.

Andocides and Isæus. Greek Historical Inscriptions.

Professor MANATT

34, 35, 36. *Greek Seminary.* One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

First Term, (*b*). Comparative Greek and Latin Grammar. Second Term, (*a*). Simonides and Bacchylides. Third Term, (*a*). Aristotle's Constitution of Athens and select chapters of Polybius; or (*b*) Post-Aristotelian writers, Greek of the New Testament, etc., compared with Lucian.

Professor MANATT (*a*) and Professor ALLINSON (*b*)

41, 42. *Homer and Mycenæan Archæology.* Two hours. Second and Third Terms. Elective for Graduates and approved Seniors.

Professor MANATT

NOTE: This may be elected in place of 32 and 33 above.

VIII. ROMAN LITERATURE AND HISTORY

Professors HARKNESS and GREENE, Messrs. SHIPPEE and GOULDING

1. *Livy.* Four hours. First Term. Required of candidates for the degree of Bachelor of Arts.

Professors HARKNESS and GREENE, Messrs. SHIPPEE and GOULDING

NOTE: While grammatical study and literary criticism receive attention in this as in the other courses of the Freshman year, the special aim is to enable the student to acquire facility in reading and to instruct him in the use of the Latin texts as a means of acquiring a knowledge of the public and private life of the Romans.

2. *Cicero.* Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts.

Letters; Cicero and his times.

Professors HARKNESS and GREENE, Messrs. SHIPPEE and GOULDING

3. *Tacitus.* Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts.

Germania and Agricola: history of the Early Empire.

Professor GREENE, Messrs. SHIPPEE and GOULDING

4. *Horace.* Three hours. First Term. Elective for Sophomores.

Odes and Epodes, Ovid's lyrics; lectures on lyric poetry.

Professor GREENE

NOTE: In this as in the other Sophomore courses, the literary side of the study is made prominent. A part of the time is occupied with a critical study of the poems, while a part is devoted to rapid reading with a view to comprehending the spirit of the authors. Lectures are given by the instructor, and literary topics are assigned to the class for special study.

5. *Catullus, Tibullus and Propertius.* Three hours. Second Term. Elective for Sophomores.

Lyric poetry continued.

Professor GREENE

6. *Satires of Horace and Juvenal.* Three hours. Third Term. Elective for Sophomores.

Professor HARKNESS

7. *Origin of Latin Poetry and Development of the Drama.* Three hours. First Term. Elective for Juniors and Seniors.

Readings from Plautus and Terence.

Professor HARKNESS

NOTE: The advanced courses open to Juniors and Seniors relate to the development and history of Roman Literature. Poetry and prose are discussed in alternate years. The aim of these courses is to give a connected and comprehensive view of the entire range of Roman literature. Comparatively little time is occupied with the formal work of recitation. Lectures are given on the lives and writings of the authors, and characteristic selections are read and discussed. Topics in literary history and criticism, adapted to individual tastes, are assigned to members of the class for special study and investigation.

8. *Poetry of the Republic, continued, and Poetry of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors.

Readings from Lucretius and other authors of this period.

Professor HARKNESS

9. *Poetry of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors.

Professor HARKNESS

11. *Prose of the Republican Period.* Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

Development of oratory; readings from Specimens of Early Latin, from Cicero's Brutus, and from Quintilian.

Professor HARKNESS

12. *Prose of the Augustan Age.* Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

Development of historical writing; readings from the historians.

Professor HARKNESS

13. *Prose of the Silver Age.* Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1899-1900.

Roman philosophers; readings from Seneca and from other authors of this period.

Professor HARKNESS

37, 38, 39. *Latin Composition.* One hour. Through the year. Elective for Sophomores, Juniors and Seniors.

Professor GREENE

10, 14, 15. *Private Life and Antiquities of Rome.* One hour. Through the year. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Professor HARKNESS

31, 32, 33. *Roman Architecture and Topography.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Illustrated by photographs, slides, etc.

Professor HARKNESS

16, 17, 18. *Pliny the Younger.* One hour. Through the year. Elective for Juniors, Seniors and Graduates.

Pliny's Letters; also selected passages of other authors illustrating the private life of the Romans.

Professor HARKNESS

19, 20, 21. *Seminary in Epigraphy.* Two hours. Through the year. Elective for Graduates and qualified Undergraduates.

Study of epigraphical alphabets, illustrated by Huebner's *Exempla Scripturæ Epigraphicæ Latinæ;* introductory lectures preparatory to the investigation of special topics in the *Corpus Inscriptionum Latinarum;* investigation by the class of special questions relating to the Latin language and to Roman life.

Professor HARKNESS

22, 23, 24. *Seminary in Palæography and Textual Criticism.* Two hours. Through the year. Elective for Graduates and qualified Undergraduates. Not offered in 1899-1900.

Lectures illustrated by fac-similes of manuscripts, critical study of authors with special reference to the manuscripts and to the establishment of the correct text.

Professor HARKNESS

28, 29, 30. *Seminary in Roman History.* One hour. Through the year. Elective for Graduates.

Investigation of special problems of Roman life and history from inscriptions and other original sources.

Professor HARKNESS

34, 35, 36. *Roman Provincial Administration.* Two hours. Through the year. Elective for Graduates. Not offered in 1899-1900.

Reading from Cicero's Orations against Verres.

Professor HARKNESS

IX. English Literature and Language

Professors BRONSON, SEARS, LAMONT and POTTER, Mr. WOOD, Dr. BENEDICT, Mr. STARR

10, 11, 12. *Anglo-Saxon.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

Essentials of the grammar, prose selections, Béowulf.

Professor POTTER

27, 28. *Chaucer.* Three hours. First and Second Terms. Elective for Sophomores, Juniors and Seniors.

Work mainly linguistic, aiming to enable the student to read Chaucer intelligently.

Professor POTTER

39. *History of the English Language.* Three hours. Third Term. Elective for students who have passed in 11 or 28.

Professor POTTER

1, 2, 3. *English Literature.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors.

General course, dealing with the greater poets and prose-writers from Spenser to Arnold. Designed to cultivate the habit of thoughtful reading and the appreciation of literary form, and to give a general knowledge of the history of English literature.

Professors LAMONT and POTTER, Dr. BENEDICT

4, 5, 6. *Shakspere.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

May be taken two years in succession. Work chiefly linguistic and interpretative, with some attention to the literary history and sources of the plays read.

Professor POTTER

31, 32, 33. *English Literature from Dryden to Burns.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

Any one term of the course may be taken separately. Special attention to the development of the novel and to the beginnings of the romantic movement.

Mr. WOOD

7, 8, 9. *English Drama from the Miracle Plays to the Closing of the Theatre.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3 and for others at the discretion of the instructor.

The drama as a literary type, and its history in England from the Scripture cycles down to 1642. The principal works of Lyly, Greene, Peele, Marlowe, Shakspere, Dekker, Ben Jonson, Heywood, Beaumont and Fletcher, Middleton, Webster and others read and discussed.

Mr. STARR

43, 44, 45. *Blake to Keats.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Not offered in 1899-1900.

Interpretation and criticism of the greater poets of the period; some study of minor authors in their relation to the historical development of romanticism.

Professor BRONSON

46, 47, 48. *English Poetry of the Victorian Period.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3. Not offered in 1899-1900.

First Term, Tennyson; Second Term, Browning; Third Term, Arnold, Rossetti, Swinburne and other minor poets of the period.

Professor BRONSON

50, 51, 52. *English Essayists of the Nineteenth Century.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3 and Rhetoric 2, 3, 4. Not offered in 1899-1900.

Professor BRONSON

40, 41, 42. *Victorian Literature.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3, and for others at the discretion of the instructor.

First Term, the novelists; Second Term, the essayists; Third Term, the poets.

Professor LAMONT

16, 17, 38. *American Literature.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Any one term of the course may be taken separately. The entire field, from 1607 to the present day.

Professor SEARS

X. RHETORIC AND ORATORY

Professor LAMONT, Messrs. FOGG and WOOD, Dr. BENEDICT, Messrs. STARR, CHAMBERLAIN and CHASE

2, 3, 4. *Practical Rhetoric.* Three hours. Through the year. Required of all Freshmen who are not candidates for the degree of Bachelor of Arts, and of all Sophomores who have not taken the subject in the Freshman year. For Freshmen and Sophomores who do not elect 19, 20, 21, this course is increased to four hours.

Professor LAMONT, Messrs. FOGG and WOOD, Dr. BENEDICT, Messrs. STARR, CHAMBERLAIN and CHASE

33, 34, 35. *Argumentative Composition.* One hour. Through the year. Required of all Juniors.

Professor LAMONT, Mr. WOOD, Dr. BENEDICT, Messrs. STARR and CHAMBERLAIN

16, 17, 18. *English Composition, advanced.* Three hours. Through the year. Elective for students who have passed in 2, 3, 4.

Professor LAMONT

27, 28, 29. *Debate.* Three hours. Through the year. Elective for a limited number of Juniors, Seniors and Graduates. Juniors may substitute this course for 33, 34, 35, in which case it will count for the required work, and two hours of elective work.

Professors GARDNER and LAMONT, Mr. FOGG

19, 20, 21. *Public Speaking.* One hour. Through the year. Elective for Sophomores, and for Freshmen who are candidates for the degree of Bachelor of Philosophy or Bachelor of Science.

Weekly exercises in declamation, individual training.

Mr. FOGG

NOTE: This course may be elected by Freshmen, candidates for the degree of Bachelor of Arts, as an extra study, provided their standing is satisfactory.

36, 37, 38. *Public Speaking, advanced course.* One hour. Through the year. Elective for students who have passed in 19, 20, 21.

Frequent declamations, individual training.

Mr. FOGG

XI. GERMANIC LANGUAGES AND LITERATURES

Professors A. WILLIAMS and CROWELL, Dr. POOR and Mr. THOMPSON

GERMAN

1. *Elementary Course.* Three hours. First Term. Required of all Sophomores who did not present German for entrance.

Dr. POOR and Mr. THOMPSON

2. *Intermediate Course.* Three hours. Second Term. Required of all Sophomores who did not present German for entrance.

Grammar, composition, conversation: selections from Goethe, Uhland, Schiller, Freytag, Benedix and Heyse.

Dr. POOR and Mr. THOMPSON

3. *Nineteenth Century Prose.* Three hours. Third Term. Required of all Sophomores who did not present German for entrance.

Reading at sight, grammar, composition, conversation.

Dr. POOR and Mr. THOMPSON

4. *Lessing.* Three hours. First Term. Elective for students who have passed in 1, 2, 3, and required of all who presented German for entrance.

Emilia Galotti, Minna von Barnhelm; lectures on Lessing's life and works.

Professor CROWELL and Dr. POOR

6. *Schiller.* Three hours. Second Term. Elective for students who have passed in 4, and required of all who presented German for entrance.

Jungfrau von Orleans, Balladen und Romanzen; lectures on Schiller's life and works.

Professor CROWELL and Dr. POOR

8. *Goethe.* Three hours. Third Term. Elective for students who have passed in 6, and required of all who presented German for entrance.

Götz von Berlichingen, Iphigenie auf Tauris; lectures on Goethe's life and works.

Professor CROWELL and Dr. POOR

46, 47, 48. *Goethe's Faust, Parts I and II.* Three hours. Through the year. Elective for students who have passed in 8.

Lectures, essays, original text read by students in class, weekly written translations.

Professor A. WILLIAMS [This year Professor CROWELL]

16. *German Literature.* Three hours. First Term. Elective for students who have studied German not less than two years.

Klopstock, Lessing, Wieland, Herder; *Die Aufklärung, Der Göttinger Dichterbund, Die Sturm-und Drangperiode.*

Professor A. WILLIAMS [This year Professor CROWELL]

17. *German Literature.* Three hours. Second Term. Elective for students who have passed in 16.

Schiller.

Professor A. WILLIAMS [This year Professor CROWELL]

18. *German Literature.* Three hours. Third Term. Elective for students who have passed in 17.

Goethe.

Professor A. WILLIAMS [This year Professor CROWELL]

40, 41, 42. *Composition.* One hour. Through the year. Elective only for students pursuing the regular courses of the second or third year in German, and for those who have passed in 48. Not offered in 1899-1900.

Professor CROWELL

10. *Middle High German.* Three hours. First Term. Elective for students who have had at least one year of German.

Grammar, *Das Nibelungenlied.*

Professor A. WILLIAMS [This year Professor CROWELL]

NOTE: This course, like the following courses in German and those in Gothic and Old Norse, is primarily for Graduates, but may be taken by qualified undergraduates.

11. *Middle High German.* Three hours. Second Term. Elective for students who have passed in 10.

Walther von der Vogelweide.

Professor A. WILLIAMS [This year Professor CROWELL]

12. *Middle High German.* Three hours. Third Term. Elective for students who have passed in 11.

The Court Epics, Hartmann von Aue's *Iwein* and *Der arme Heinrich*, Gottfried von Strassburg's *Tristan*, Wolfram von Eschenbach's *Parzival.*

Professor A. WILLIAMS [This year Professor CROWELL]

19, 20, 21. *Old High German.* One hour. Through the year. Elective for Graduates. Not offered in 1899-1900.

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch.*

Professor A. WILLIAMS

34, 35, 36. *Germanic Philology.* Two hours. Through the year. Elective for Graduates. Not offered in 1899-1900.

Professor A. WILLIAMS

28, 29, 30. *Germanic Mythology.* One hour. Through the year. Elective for Graduates. Not offered in 1899-1900.

Professor A. WILLIAMS

GOTHIC

1, 2, 3. *Gothic Grammar.* One hour. Through the year. Elective for Graduates. Not offered in 1899-1900.

Heine's *Stamm's Ulfilas.*

Professor A. WILLIAMS

OLD NORSE

1, 2, 3. *Introductory.* One hour. Through the year. Elective for Graduates. Not offered in 1899-1900.

Noreen's *Altnordische Grammatik*, Wilken's *Snorra Edda.*

4, 5, 6. *Advanced.* One hour. Through the year. Elective for Graduates. Not offered in 1899-1900.

Egilssaga, *Gunnlaugssaga*, Ari's *Islendingabók;* Old Norse literature.

XII. Romance Languages and Literatures

Professors Langdon and Johnson, Messrs. Morse and N. Johnson

FRENCH

A, B, C. *Elementary French.* Three hours. Through the year. Required of all Sophomores who did not present French for admission.

Grammar, composition, dictation, translation into idiomatic English of selections from modern authors. The equivalent of the French required for admission.

Mr. Morse

1, 2, 3. *Language.* Three hours. Through the year. Required of all Freshmen who presented French for admission.

Rapid translation of modern authors, composition, special study of unusual constructions and idioms. Intended to enable students to read ordinary French at sight.

Professor Johnson, Messrs. Morse and N. Johnson

4, 5, 6. *Literature.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3.

First two terms, special study of Hugo's *Quatre-vingt-treize.* Crane's *Tableaux de la Révolution Française* read at sight in connection with the above.

Professor Johnson

Third Term, special linguistic and literary study of Rostand's *Cyrano de Bergerac.*

Professor Langdon

13, 14, 15. *Practise in Writing and Speaking.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3. Not offered in 1899-1900.

Complementary to 4, 5, 6.

Professor Johnson

31, 32, 33. *Literature, advanced.* Three hours. Through the year. Elective for students who have passed with credit in either 4, 5, 6, or 13, 14, 15.

Study of the literature of the Middle Age and Modern Period through the seventeenth century, in connection with Lanson's *Histoire de la Littérature Française;* weekly reports on assigned collateral reading of seventeenth century authors. Intended only for those who have acquired the ability to read rapidly. The department library is at the disposal of the class.

Professor Langdon

28, 29, 30. *Literature, advanced.* Three hours. Through the year. Intended as a continuation of 31, 32, 33. Covers the eighteenth and nineteenth centuries. Offered in alternate years with the above. Not offered in 1899-1900.

Professor LANGDON

34, 35, 36. *Old French and Provençal.* Three hours. Through the year. Elective for Seniors and Graduates. Not offered in 1899-1900.

Introductory course in Romance Philology. Special field of study arranged in accordance with the needs of those who elect the course.

Professor JOHNSON

ITALIAN

1, 2, 3. *Modern Italian.* Three hours. Through the year. Elective for Juniors or for Sophomores not electing more than one other modern foreign language.

Grammar, composition and rapid reading. Intended to enable those who are proficient in Latin and French to read Italian at sight.

Mr. MORSE

10, 11, 12. *Fourteenth Century Classics.* Three hours. Through the year. Elective for students who have passed with credit in 1, 2, 3. Not offered in 1899-1900.

The whole of Dante's *Divina Commedia* translated: also such selections from the *Rime* of Petrarca, and from the *Decamerone* of Boccaccio as time will permit.

Professor LANGDON

COMPARATIVE LITERATURE

1, 2, 3. *Dante in English.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates.

The whole of the *Divina Commedia* in English studied in the light of modern thought, and in connection with the great world-poems, *Job*, the *Iliad-Odyssey*, the *Æneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature, by means of the best available translations. A survey of the greatest monuments of literature from the point of view of the most universal and central of all. Intended especially, though not exclusively, for students who, not having time for the study of many literatures in the original, nevertheless desire some acquaintance with what is best in the poetic culture of the world.

Professor LANGDON

SPANISH

1, 2, 3. *Modern Spanish.* Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language.

Conversation, composition and rapid reading.

Professor JOHNSON

XIII. BIBLICAL LITERATURE AND HISTORY

Professor KENT and Mr. LENT

HEBREW

1, 2. *Elementary Hebrew.* Three hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

First Term, grammar; Second Term, reading of Genesis iii-viii, translation of English into Hebrew.

Professor KENT and Mr. LENT

3. *Historical Hebrew.* Three hours. Third Term. Elective for students who have passed in 1 and 2.

Reading in the original of passages selected from the Books of Samuel, with a study of Hebrew syntax and textual criticism.

Professor KENT and Mr. LENT

4, 5, 6. *Hebrew Seminary.* Three hours. Through the year. Elective for students who have passed 1, 2, 3.

The Prophetical Literature of the Old Testament. Critical translation of the more important prophecies. Especial attention to the vocabulary, ideas, character and methods of the different prophets. Not offered in 1899-1900.

Professor KENT

7, 8, 9. *Hebrew Seminary.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Subject for 1899-1900, the Psalm and Wisdom Literature of the Old Testament.

Professor KENT

ARAMAIC

1. *Biblical Aramaic.* Two hours. Second Term. Elective for Juniors, Seniors and Graduates.

Translation of the Aramaic portions of Daniel and Ezra.

Professor KENT

SYRIAC

1. *Elementary Syriac.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Wilson's Manual.

Professor KENT

ASSYRIAN

1, 2. *Elementary Assyrian.* Two hours. First and Second Terms. Elective for Juniors, Seniors and Graduates.

Lyon's Manual.

Professor KENT

3. *Historical Assyrian.* Two hours. Third Term. Elective for Juniors, Seniors and Graduates.

Delitzsch's Assyrian Grammar and Abel and Winckler's *Keilschrifttexte.*

Professor KENT

4, 5, 6. *Assyrian Seminary.* One hour. Through the year. Elective only for advanced Semitic students.

Rapid reading of historical and religious inscriptions.

Professor KENT

ARABIC

1, 2, 3. *Elementary Arabic.* Two hours. Through the year. Elective for Juniors, Seniors and Graduates.

Professor KENT

NEW TESTAMENT LANGUAGE AND LITERATURE

1. *The Gospel of Mark.* Three hours. First Term. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

A knowledge of Greek equivalent at least to the work of one college year is required. Critical translation; study of linguistic peculiarities; text criticism.

Professor KENT

2. *The Gospels of Luke and Matthew.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Professor KENT

3. *Paul's Corinthian Epistles.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Rapid reading; analysis of thought; study of Pauline teaching.

Professor KENT

5. *Gospel of John.* Three hours. First Term. Elective for Juniors, Seniors and Graduates.

Critical translation; study of characteristics, aim, teachings and the question of date and authorship.

Professor KENT

6. *The Epistles to the Thessalonians and Galatians.* Three hours. Second Term. Elective for Juniors, Seniors and Graduates.

Professor KENT

7. *Book of Acts.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates. Not offered in 1899-1900.

Interpretation; analysis of structure.

Professor KENT

BIBLICAL LITERATURE IN ENGLISH

4. *The Beginnings of Hebrew History.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors. Not offered in 1899-1900.

Professor KENT

NOTE: These Courses, 1-6, are for general students as well as for those intending special Biblical work. They are not repeated in successive years, but form a two years' consecutive course, giving a comprehensive view of the entire field of Biblical history. The sources, Biblical and monumental, for each epoch, are studied; then the political, social and religious life and development. The date and authorship of books and the various other questions of literary history for each period are examined, and the teachings of the several documents are drawn out and formulated.

5,6. *Hebrew History and Literature.* Three hours. Second and Third Terms. Elective for Sophomores, Juniors and Seniors. Not offered in 1899-1900.

From the settlement in Canaan to the Exile.

Professor KENT

1. *Jewish History and Literature.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

The life and thought of the Jewish people between the fall of Jerusalem in 586 and the re-dedication of the Temple in 165 B. C.

Professor KENT

2. *New Testament History and Literature.* Three hours. Second Term. Elective for Sophomores, Juniors and Seniors.

Study of the Jewish and Roman life, which constitutes the background of the New Testament, and an investigation of the date, authorship and general character of the Jewish and Christian literature of the period between 165 B. C. and 200 A. D.

Professor KENT

3. *The Beginnings of Christianity.* Three hours. Third Term. Elective for Sophomores, Juniors and Seniors.

Historical study of the life and teachings of Jesus and of the first century of the Christian Church.

Professor KENT

Biblical Research Club. A Biblical Research Club, including graduate and undergraduate students interested in the work of the department, has been formed to investigate special Biblical subjects and to promote a more general and intelligent interest in the study of the literature and history of the Bible. The club meets once a month for the review of new books and current literature, reading of papers and free discussion. Arrangements are also made for special addresses before the club.

XIV. PURE MATHEMATICS

Professors CLARKE, DAVIS and MANNING, DR. SLOCUM, Messrs. BLANCHARD, CURRIER and EWER

1. *Geometry, Solid and Spherical.* Five hours. First Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS and MANNING, Dr. SLOCUM, Messrs. BLANCHARD, CURRIER and EWER

3. *Algebra.* Five hours. Second Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS and MANNING, Dr. SLOCUM, Messrs. BLANCHARD, CURRIER and EWER

2. *Trigonometry, Plane and Spherical.* Five hours. Third Term. Required of candidates for the degree of Bachelor of Arts, Bachelor of Philosophy, Civil Engineer or Mechanical Engineer.

Professors CLARKE, DAVIS and MANNING, Dr. SLOCUM, Messrs. BLANCHARD, CURRIER and EWER

4. *Spherical Trigonometry.* One hour. First Term. Required of candidates for the degree of Bachelor of Science.

Mr. BLANCHARD

5, 6, 7. *Algebra.* One hour. First Term. Two hours. Second and Third Terms. Required of candidates for the degree of Bachelor of Science.

Mr. BLANCHARD

8. *Determinants and Theory of Equations.* Three hours. Third Term. Elective for students who have passed in 3, or 5, 6, 7.

Professor MANNING

9, 10. *Analytic Geometry.* Three hours. First and Second Terms. Elective for students who have passed in 1, 2 and 3; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

Professor DAVIS

11. *Modern Methods in Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10. Offered in alternate years. Not offered in 1899-1900.

Professor MANNING

30. *Solid Analytic Geometry.* Three hours. Third Term. Elective for students who have passed in 10. Offered in 1899-1900 and in alternate years.

Professor MANNING

12. *Differential Calculus.* Three hours. Third Term. Elective for students who have passed in 9 and 10; required of candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer.

Professor DAVIS

13. *Integral Calculus.* Three hours. First Term. Elective for students who have passed in 12; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Professor DAVIS

14. *Applications of the Differential Calculus.* Three hours. Second Term. Elective for students who have passed in 12 and 13; required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Professor DAVIS

31. *Applications of the Integral Calculus.* Three hours. Third Term. Elective for students who have passed in 13; required of candidates for the degree of Civil Engineer.

Professor DAVIS

15, 16. *Differential Equations.* Three hours. First and Second Terms. Elective for students who have passed in 13.

Professor MANNING

18, 19, 20. *Modern Algebra, Higher Plane Curves and Surfaces.* Three hours. Through the year. Elective for graduates and for candidates for the degree of Bachelor of Science who have passed in 16 and 30.

Based upon the works of Salmon, Clebsch and Darboux.

Professor MANNING

21, 22, 23. *Theory of Functions.* Three hours. Through the year. Elective for Graduates, and for candidates for the degree of Bachelor of Science who have passed in 16. Not offered in 1899-1900.

Professor MANNING

24, 25, 26. *Differential Equations, advanced.* Three hours. Through the year. Elective for Graduates who have passed in 23.

Based on the works of Craig, Jordan, Picard and Goursat.

Professor MANNING

27, 28, 29. *Substitutions and Transformation Groups.* Three hours. Through the year. Elective for Graduates. Not offered in 1899-1900.

Professor MANNING

XV. DRAWING

Professors RANDALL and BURNHAM, Messrs. KENERSON and PHETTEPLACE

1. *Elementary Mechanical Drawing.* Four hours. First Term. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy.

Eight hours of Drawing. Nature, care and use of drawing instruments; elements of orthographic and isometric projection. Largely mathematical; demanding original investigation and accurate execution.

Professor RANDALL [This year Mr. KENERSON]

16. *Elementary Mechanical Drawing.* Three hours. First Term. Elective for Sophomores, Juniors and Seniors.

Six hours of drawing. Similar to 1. Primarily for candidates for the degree of Bachelor of Arts.

Professor RANDALL [This year Mr. KENERSON]

5, 6. *Descriptive Geometry.* Four hours. Second and Third Terms. Required of Freshmen who are candidates for the degree of Bachelor of Science, Civil Engineer or Mechanical Engineer; elective for Freshmen who are candidates for the degree of Bachelor of Philosophy and have passed in 1.

Three hours of recitation and two hours of drawing. Theory of orthographic and scenographic projection, discussion and proof of theoretical and practical problems, presentation of principles most needed in handling the complicated problems of engineering.

Professor RANDALL. [This year Mr. KENERSON]

17, 18. *Descriptive Geometry.* Three hours. Second and Third Terms Elective for Sophomores, Juniors and Seniors who have passed in 1 or 16.

Two hours of recitation and two hours of drawing. Similar to 5 and 6. A continuation of 16.

Professor RANDALL [This year Mr. KENERSON]

7. *Shades and Shadows and Perspective.* Three hours. First Term. Required of candidates for the degree of Civil Engineer or Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Two hours of recitation and two hours of drawing. Derivation and proof of theoretical and practical formulæ. Based on descriptive geometry, largely mathematical.

Professor RANDALL [This year Mr. KENERSON]

14. *Shades and Shadows and Perspective, advanced.* Three hours. Third Term. Elective for students who have passed in 7.

Six hours of drawing. Derivation and application of theoretical and practical formulæ. Perspective of shadows. Arranged for students in architecture.

Professor RANDALL [This year Mr. KENERSON]

8. *Elementary Machine Drawing.* Three hours. Second Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 5, 6, or 17, 18.

Six hours of drawing. Presentation of conventional methods of representing the parts of machines; explanation of machines in detail; sketches, detail and assembly drawings.

Professor RANDALL [This year Mr. KENERSON]

9. *Gearing.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 5, 6, or 17, 18.

One hour of recitation and four hours of drawing. Lectures and recitations on the theory of spur, bevel and screw gearing; accurate construction, in the drawing-room, of illustrative problems.

Professor BURNHAM

10, 11. *Machine Drawing, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer: elective for students who have passed in 8 and 9.

Six hours of drawing. Sketches, detail and assembly drawings of complicated machines.

Professor BURNHAM

12. *Elements of Machine Design.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanical Engineering 1, and in Drawing 10, 11.

Six hours of drawing. Design of the simpler mechanisms.

Professor BURNHAM

27, 28. *Machine Design, advanced.* Three hours. First and Second Terms. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 10, 11 and 12, and in Mechanics 3, 4 and 6.

Six hours of drawing. Extended problems in design, involving the calculation of the strength of the various parts of machines and structures.

Professor BURNHAM

15. *Constructive Geometry.* Three hours. First Term. Elective for students who have passed in 1 or 16.

Six hours of drawing. Derivation, graphical test and proof of original methods of solving plane and solid geometrical problems. Mathematical.

Professor RANDALL [This year Mr. KENERSON]

13. *Constructive Geometry.* Four hours. First Term. Elective for students who have passed in 1 or 16.

Eight hours of drawing. Similar to 15. For Freshmen who have had the equivalent of 1.

Professor RANDALL [This year Mr. KENERSON]

19. *Mechanical Drawing.* Three hours. Second Term. Elective for students who have passed in 16.

Six hours of drawing. Graphical solution of advanced plane and solid geometrical problems, advanced practical orthographic and isometric projection. For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry.

Professor RANDALL [This year Mr. KENERSON]

20. *Mechanical Drawing, continued.* Three hours. Third Term. Elective for students who have passed in 19.

Six hours of drawing. Practical work in shades and shadows and perspective.

Professor RANDALL [This year Mr. KENERSON]

29, 30, 31. *Lettering.* One hour. Through the year. Open only to students who are candidates for the degree of Civil Engineer.

Two hours of drawing.

Professor HILL

2, 3, 4. *Freehand Drawing.* One hour. Through the year. Required of candidates for the degree of Civil Engineer or Mechanical Engineer.

Two hours of drawing. Intended to give training in freehand lettering and sketching. Extensive use of models.

Professor RANDALL [This year Mr. KENERSON]

XVI. CIVIL ENGINEERING

Professor HILL and Mr. BLANCHARD

1, 2, 3. *Surveying.* Three hours. Through the year. Elective for students who have passed in Mathematics 1, 2 and 3 and in Drawing 1 or 16.

Elementary course in land surveying; use of tape, compass, level and transit; adjustment of instruments. Lectures, recitations, field work and drawing.

Professor HILL and Mr. BLANCHARD

NOTE: All courses in this department are required of candidates for the degree of Civil Engineer; all except 4 are elective for other students.

4. *Topographical Drawing.* Three hours. Second Term.

Pen and colored topography, conventional signs for maps. Lectures and drawing.

Mr. BLANCHARD

8, 8a. *Surveying, advanced.* One hour and five hours. Third Term. Elective for students who have passed in 1 and 2, but 8 and 8a cannot be elected separately. The field work (8a) is done during the spring recess.

Topography and hydrography, city surveying; use of stadia, plane table, sextant and barometer; precise base-line measurements with steel tape. Methods as in 1, 2, 3.

Professor HILL and Mr. BLANCHARD

5, 5a, 6, 7. *Railroad Engineering.* Two, four, three and three hours. First, Second and Third Terms. Elective for students who have passed in 3 and 8, but 5 and 5a cannot be elected separately.

Theory, location, construction and economics. Methods as in 1, 2, 3.

Professor Hill and Mr. Blanchard

10, 11. *Hydraulic Engineering.* Three hours. Second and Third Terms. Elective for students who have passed in Mathematics 13 and Mechanics 4.

Supplements the courses in Mechanics 7 and 8, which give the theoretical treatment of the subject. Water supply, irrigation, pumps and pumping machinery. Lectures, recitations and seminary work.

Professor Hill and Mr. Blanchard

12, 13, 14. *Framed Structures.* Three, six and six hours. Third, First and Second Terms. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 1 or 16.

Calculation of stresses in roofs and bridges by graphical and analytical methods, structural details, bridge and roof design. Lectures, recitations and drawing.

Mr. Blanchard

15. *Masonry.* Three hours. Second Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Calculation of stresses in, and design of, arches, retaining walls and dams; materials of construction. Lectures, recitations and drawing.

Professor Hill

16. *Geodesy.* Three hours. Second Term. Elective for students who have passed in 3 and 8 and Astronomy 4.

Problems in geodetic surveying. Lectures and computations.

Professor Hill

17. *Sanitary Engineering.* Three hours. Third Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Sewerage and house drainage. Lectures, recitations and seminary work.

Professor Hill

18. *Roads and Pavements.* Three hours. Third Term. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Lectures, recitations and seminary work.

Professor Hill

19, 20, 21. *Laboratory Investigations.* Three hours. Through the year. Elective for students who have passed in Mathematics 13, Mechanics 4 and Drawing 6.

Use and adjustment of instruments, testing materials, stereotomy.

Professor HILL

NOTE: For 1899-1900 students in Civil Engineering will take Mechanical Engineering 6 and 7 in place of Civil Engineering 19 and 20.

XVII. MECHANICAL ENGINEERING

Professors CLARKE and BURNHAM, Messrs. KENERSON, LESTER and STARK

1. *Kinematics.* Three hours. First Term. Elective for students who have passed in Drawing 5, 6, or 17, 18.

Description of the mechanical devices used in machines, with the presentation and proof of the mathematical laws governing the motion of their parts. Stahl and Woods's Elements of Mechanism; recitations, graphical and analytical solution of problems.

Professor BURNHAM

9. *Thermodynamics of the Steam Engine.* Three hours. Third Term. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Physics 1, 2, 4 and in Mathematics 12, 13 and 14.

Derivation of general thermodyanamic equations and special forms applying to perfect gases and to saturated and superheated vapors. Peabody's Thermodynamics of the Steam Engine supplemented by lectures, recitations and solution of problems especially bearing upon heat-engines.

Professor BURNHAM

3, 4, 5. *Steam Engineering.* Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in 9.

Principles of heat-engines and generators, and methods of testing. Lectures, recitations and laboratory work.

Professor BURNHAM and Mr. KENERSON

6, 7, 8. *Materials of Engineering.* Three hours. Through the year. Required of candidates for the degree of Mechanical Engineer; elective for students who have passed in Mechanics 3, 4, 6.

Study of the sources, manufacture and properties of important materials used in engineering; laboratory tests on the strength of materials.

Professor BURNHAM and Mr. KENERSON

10, 11, 12. *Wood-work.* Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry, wood-turning and pattern-work. These courses may be begun in any term.

Mr. LESTER

NOTE: Though courses 10 to 18 are all open to Sophomores, Juniors and Seniors, no more than two of them can be counted towards the degree of Bachelor of Arts, Bachelor of Philosophy or Bachelor of Science.

13, 14, 15, 16. *Metal-work.* Three hours. Required of candidates for the degree of Mechanical Engineer; elective for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing, and work with the engine-lathe, planer, shaper, milling-machine, vertical drill and surface-grinder. These courses may be begun in any term. See note under 10, 11, 12.

Mr. STARK

17. *Wood-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Carpentry and wood-turning. Intended for students who wish to take only one term of wood-work. See note under 10, 11, 12.

Mr. LESTER

18. *Metal-work.* Three hours. Elective during any term for Sophomores, Juniors and Seniors.

Six hours of attendance. Chipping, filing and lathe-work. Intended for students who wish to take only one term of metal-work. See note under 10, 11, 12.

Mr. STARK

Thesis. A graduation thesis is required of all students who are candidates for the degree of Mechanical Engineer. It may be based either on extended independent study, on original experiments by the student, or on an original design of some complicated machine. In any case it must exhibit satisfactory ability in the student as an engineer.

MECHANICS

3, 4, 6. *Mechanics of Solids.* Three hours. Through the year. Elective for students who have passed in Mathematics 9, 10 and 12, and who are taking Mathematics 13.

Statics; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, friction; strength of materials, including tension, compression, shearing, torsion, flexure, arches and graphics. Care is taken that a clear understanding is gained of all the steps in the deduction of formulæ, that the student may be able to produce original forms or to modify those already in use to meet particular cases. Practice in the application of principles is had in the solution of original problems.

Professor CLARKE

7, 8. *Mechanics of Fluids.* Three hours. First and Second Terms. Elective for students who have passed in 3, 4, 6.

Hydrostatics of liquids, including pressure of liquids in tanks and reservoirs, earth pressure and retaining walls, immersion and flotation; hydrostatics of gases; hydrodynamics, including steady flow, impulse and resistance.

Professor CLARKE

XVIII. ASTRONOMY

Professor UPTON and Dr. SLOCUM

1. *General Astronomy.* Three hours. First term. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Fundamental conceptions of the science, methods of professional study, and present state of our knowledge of the heavenly bodies. Young's General Astronomy, lectures and abstracts upon assigned topics.

Professor UPTON

2, 6. *General Astronomy, continued.* Three hours. Second and Third Terms. Elective for students who have passed in 1.

Professor UPTON

3, 4, 5. *Geodetic Astronomy.* Three hours. Through the year.

The application of astronomy to geodesy; use of the sextant, transit and zenith telescope for determining time, latitude and longitude. Required of engineering students. Elective for Juniors and Seniors who have passed in Mathematics 1, 2, 3.

Professor UPTON

8, 9, 10. *Practical Astronomy.* Three hours. Through the year. Elective for Graduates and for undergraduates who have shown special aptitude in either 1, 2, 6 or 3, 4, 5.

Advanced study of geodetic applications of astronomy; method of least squares. Doolittle's Practical Astronomy, with instrumental observations.

Professor UPTON

14, 15, 16. *Mathematical Astronomy.* Three hours. Through the year. Elective for Graduates.

The mathematical theory of planetary and cometary orbits; micrometer observations and calculation of orbits.

Professor UPTON

THE FOLLOWING IS OFFERED ONLY TO STUDENTS OF THE WOMEN'S COLLEGE

1w, 2w, 3w. *Physical Geography.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors. Not offered in 1899-1900.

Form, size and motions of the earth, and their geographical consequences. General distribution of land and water. Land formations. Oceans and ocean basins. The atmosphere—winds, rainfall, weather, weather maps, weather prediction, climate. Effect of form, climate, resources, food supply, etc., upon the distribution of population and the history of man.

Dr. SLOCUM

XIX. PHYSICS

Professors BARUS, PALMER and WATSON

1, 2, 4. *Elementary Physics.* Three hours. Through the year. Elective for Sophomores, Juniors and Seniors who have passed in Mathematics 1, 2, 3.

First Term, kinematics and dynamics; Second Term, molecular physics and heat; Third Term, electricity alternating with light. Daniell's Principles of Physics, lectures illustrated by experiments and the lantern. Weekly written exercises corrected in detail by the instructors. Designed for those who have had little previous training in Physics; presupposes only a good knowledge of elementary mathematics. The entire course is a unit, setting forth the principles of modern physics.

Professor BARUS

32. *Optics and Acoustics.* Three hours. Third Term. Elective for Juniors and Seniors who have passed in 1, 2.

Lectures on the elementary principles of optics and acoustics.

Professor BARUS

NOTE: This course has alternated with 4. The endeavor will be made after the present college year to have 32 alternate with 2, for the convenience of the other courses.

5, 9, 10. *Physical Measurements.* Three hours. Through the year. Elective for students who have passed in 1, 2, 4.

One lecture hour and four hours in the laboratory. Elementary theory and practice of physical manipulation. Each student is required to present a neat and comprehensive report of each experiment performed and to solve such problems as may be from time to time assigned.

Professor PALMER.

11. *Electrical Engineering.* Three hours. First Term. Elective for students who have passed in 4.

Definite instruction in methods of generating and utilizing electric currents; introductory to the technical courses.

Professor WATSON

12. *Electrical Engineering.* Three hours. Second Term. Elective for students who have passed in 11, and who have taken or are taking 5, 9, 10, and Mathematics 12.

Technical study of theory and calculations for dynamo-electric machinery.

Professor WATSON

15. *Electrical Engineering.* Three hours. Third Term. Elective for students who have passed in 11 and 12.

Six hours of laboratory work. Practical methods of operating and testing various sizes of standard dynamos, and measuring electric and magnetic quantities.

Professor WATSON

33, 34, 35. *Electrical Engineering.* Three hours. Through the year. Elective for students who have passed in 15.

A continuation of 11, 12, 15. Advanced laboratory work. Alternating current phenomena mathematically treated, definite engineering problems worked out.

Professor WATSON

13, 14, 16. *Mathematical Tretament of Dynamical Problems.* Three hours. Through the year. Elective for Seniors and Graduates who have passed in 10 and Mathematics 16.

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion; Second and Third Terms, application of their principles to special problems in thermodynamics and hydrodynamics.

Professor PALMER

17, 18, 19. *Laboratory Course, advanced.* Three hours. Through the year. Elective for students who have passed in 10.

Six hours of attendance. For those who are already familiar with the use of physical apparatus and are capable of carrying on investigations more or less independently. Special problems and reference to original sources for methods of solution. Care is taken to develop accuracy of observation, and neatness and clearness in the written reports of experiments.

Professors BARUS, PALMER and WATSON

20, 21. *Harmonic Analysis.* Three hours. Second and Third Terms. Elective for Seniors and Graduates who have passed in 1, 2, 4 and Mathematics 14, 15.

Importance of Fourier's method shown by examples taken from the analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions and Lamé functions.

Professor BARUS

22. *Behavior of Matter through Long Ranges of Temperature.* Elective for Graduates.

Original research. Investigation of accurate methods and data in absolute pyrometry; determination of the high temperature constants of non-volatile bodies with a view to the elucidation of fundamental questions in the physics of the earth's crust.

Professor BARUS

NOTE: Courses 22-25, inclusive, occupy more or less time per week according to the requirements of the students. These courses are definitely organized, and the requisite apparatus is provided for conducting them. Other courses of original research are offered to suit the special needs or training of advanced students. The order of interchange between 13, 14, 16, and 26, 27, 28, and between 20, 21, and 29, 30, 31, is not fixed. The preference of the applicants for instruction will be regarded in determining which shall be given.

23. *Behavior of Matter through Long Ranges of High Pressure.* Elective for Graduates.

Original research. Thermo-dynamics of the change of state from solid to liquid, due either to fusion or to solution, with especial reference to the continuity of solid and liquid, and to the location of the lower critical temperature.

Professor BARUS

24. *Absolute Viscosity of Solids as Compared with Liquids and Gases* Elective for Graduates.

Original research. Investigation of absolute data for the viscosity of solids.

Professor BARUS.

25. *Physical Properties of the Iron Carburets.* Elective for Graduates.

Original research. A consideration of the physical properties of iron, steel and cast iron with reference to their bearing on metallurgical and electro-technical problems.

Professor BARUS

26, 27, 28. *Mathematical Theory of Electricity and Magnetism.* Three hours. Through the year. Elective for Graduates and Seniors who have passed in 10 and Mathematics 16.

Lectures. A development of the mathematical theory of electricity and magnetism, and a discussion of the more important problems of electrical science from the standpoint of Maxwell's Treatise.

Professor PALMER

NOTE: This course alternates with 13, 14, 16.

29, 30, 31. *Physics, advanced.* Three hours. Through the year. Elective for Juniors, Seniors and Graduates who have passed in Mathematics 12, 13 and 14.

Lectures on dynamics, potential, elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electromagnetism, thermo-electrics, induction, Fresnel's optics, the electromagnetic theory of light, thermal analytics and thermodynamics. Completed in two years. Alternating, if desirable, with 20, 21.

Professor BARUS

NOTE: Candidates for the degree of Master of Arts with a major in physics will be held responsible for at least one of the advanced courses in theoretical physics. The requirements for non-resident students with a minor in physics are quite as advanced as for students in residence with a major in physics. The department is able to offer every reasonable facility both for research work and for the study of the higher problems in physics; it is not able to offer much encouragement to those wishing to take degrees not in residence.

XX. CHEMISTRY

Professor APPLETON, Messrs. CALDER, SMITH and WILSON

1 *Descriptive Chemistry.* Three hours. First Term. Elective for Sophomores.

Non-metals, chemical philosophy. Lectures with experiments, written exercises, individual laboratory work.

Professor APPLETON, Messrs. CALDER and SMITH

2. *Descriptive Chemistry.* Three hours. Second Term. Elective for Sophomores.

Metals, their metallurgy, chemical compounds, and practical applications; chemical philosophy continued. Methods as in 1.

Professor Appleton, Messrs. Calder and Smith

3. *Descriptive Chemistry.* Three hours. Third Term. Elective for Sophomores.

Carbon compounds or organic chemistry; chemical philosophy continued. Methods as in 1.

Professor Appleton, Messrs. Calder and Smith

4, 5. *Qualitative Analysis.* Three hours. First and Second Terms. Elective for Juniors.

Six hours of attendance. A study of the properties of the metallic elements together with their separation from certain of their compounds, also a study of the chief non-metals and the acids produced by them. Laboratory work, accompanied by recitations in qualitative analysis and in chemical philosophy, and exercises in stoichiometry.

Professor Appleton and Mr. Wilson

6. *Quantitative Analysis.* Three hours. Third Term. Elective for Juniors.

Six hours of attendance. Study of quantitative precipitations and separations of the most important elements and compounds; a somewhat thorough review of the principles upon which quantitative apparatus is constructed, including the theory of the chemical balance, the merits of the different systems of weights and measures, the use of burettes, graduated flasks, etc.: studies in chemical philosophy and stoichiometry continued. Chiefly laboratory work.

Professor Appleton and Mr. Wilson

7, 8, 9. *Quantitative Analysis, advanced.* Six hours. Through the year.

Twelve hours of attendance. The assaying of metallic ores, analysis of agricultural materials, including commercial fertilizers, the testing of chemicals used in textile establishments, etc.

Professor Appleton and Mr. Wilson

Note: Courses 7-20 are elective for students who have passed in 1-6.

10, 11, 12. *Organic Chemistry.* Six hours. Through the year.

Twelve hours of attendance. An extended series of exercises in the preparation and testing of organic compounds, so selected as fairly to represent the different branches of this department.

Professor Appleton and Mr. Wilson

13, 14. *Assaying.* Six hours. Second and Third Terms.

Twelve hours of attendance.

Professor APPLETON and Mr. SMITH

17, 18. *Agricultural Chemistry.* Six hours. Second and Third Terms.

Twelve hours of attendance.

Professor APPLETON and Mr. WILSON

20. *The Scouring and Dyeing of Wool.* Six hours. Third Term.

Twelve hours of attendance. The cleansing of wool in the fleece, removal of burrs, preparation and use of mordants, dye-stuffs, etc.

Professor APPLETON and Mr. WILSON

The Brown University Chemical Society. The Brown University Chemical Society was organized in 1897 for the purpose of stimulating its members and others in the study of Chemistry. This is accomplished chiefly by conferences, affording opportunities for the discussion of chemical problems, the statement of new discoveries, etc. The society is controlled by undergraduate members of the University. Its meetings are held twice each month, on which occasions papers are read, or lectures delivered, or other appropriate exercises are arranged. The society has made stated visits to chemical works in the vicinity of Providence.

XXI. ZOÖLOGY, GEOLOGY, AND ANTHROPOLOGY

Professor PACKARD

ZOÖLOGY

1, 2. *General Course.* Three hours. Second and Third Terms. Elective for Juniors and Seniors.

Principles of zoölogy, laws of animal morphology, development of the animal kingdom from monad to man, relations of animals to the world about them and to man, heredity, hybridity, variation of species, views now held by different schools of evolutionists. Textbook, lectures, demonstrations.

GEOLOGY

1, 2. *General Course.* Three hours. First and Second Terms Elective for Seniors.

Especial attention to the geology, economic and structural, of Rhode Island; elementary mineralogy and lithology. Lectures, laboratory work, field excursions, studies of models in wood and plaster.

ANTHROPOLOGY

1. *General Course.* Three hours. Third Term. Elective for Seniors and Graduates.

The principles of ethnology, ethnography and prehistoric archæology; man as related to other primates, origin of man, prehistoric races, language and race, writing, arts of life, amusements, primitive culture, including folk-lore, myths, primitive religious cults, and primitive society. Lectures illustrated by bone, stone and bronze relics of the prehistoric races of Europe, Asia and Africa, by American stone and bone implements, by collections from New England shell heaps, and by lantern views illustrating the fossil races of man and his art-remains in the Old World.

XXII. Comparative Anatomy

Professors Bumpus, Mead, Gorham and Tower, Dr. Perkins, Miss Wing

15, 1. *Practical Vertebrate Dissection.* Four hours. First and Second terms. Elective for undergraduates.

Six hours of attendance. Course 15 is based upon the dissection of the frog, and course 1 upon the dissection of the cat. For those who desire a general knowledge of anatomy and physiology.

Professor Gorham

2. *Invertebrate Dissection.* Four hours. Third Term. Elective for students who have passed in 15 and 1.

Six hours of attendance. Practical laboratory course on the comparative anatomy of the lower animals.

Professor Bumpus

3, 4. *Comparative Anatomy of Vertebrates.* Three hours. First and Second Terms. Elective for Sophomores and others who have passed with credit in 15, 1 and 2.

Five hours of attendance. Critical and comparative study of the vertebrate organs, special attention to the structure of man. In addition to the regular lectures, occasional lectures by physicians and others who have given attention to certain special subjects. A limited number of students are permitted to attend the clinics at the Rhode Island Hospital.

Professor Bumpus

10. *Normal Histology and Micro-Technique.* Three hours. Third Term. Elective for Sophomores and others who have passed with credit in 3 and 4.

Six hours of attendance.

Professor GORHAM

16, 17, 30. *Anatomy of the Nervous System.* Three hours. Through the year. Elective for Juniors and Seniors who have passed with credit in 3 and 4.

Six hours of attendance. Intended to acquaint the student with the gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man. Attention to the phylogeny, embryology and physiology of the nervous system and to special nerve-methods in micro-technique.

Professor MEAD

NOTE: This course alternates with 31, 32, 33 and will be offered in 1900-1901.

18, 19, 20, 21. *Physiology.* Three hours. Third, First, Second and Third Terms. Elective for Juniors and Seniors who have taken Chemistry 4.

Six hours of attendance. Third Term, the chemistry of the proteids, carbohydrates and fats; First Term, the chemistry of salivary, gastric and pancreatic digestions, and the blood and the bile; Second Term, the qualitative and quantitative analysis of certain constituents of the animal body; Third Term, physical physiology.

Professor TOWER

9. *Bacteriology.* Three hours. Second Term. Elective for Juniors and Seniors who have passed in 10.

Six hours of attendance. Preparation and microscopic study of bacteria, the preparation of culture media, isolation, systematic study and determination of unknown species, qualitative and quantitative biological examination of water, milk, air and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms.

Professor GORHAM

31, 32, 33. *Comparative Embryology.* Three hours. Through the year. Elective for Juniors and for Seniors who have passed with credit in 3, 4 or 16, 17, 30.

Six hours of attendance. Designed to give a general idea of the principles of embryological development, such as are involved in the phenomena of fertilization and cleavage of the egg, metamorphosis, organ formation, etc.

Professor MEAD

25. *Biological Theories and Biological Problems.* Elective for Graduates.

Weekly seminar. A general account of the history of biology, discussion of past and present biological theories, examination of certain biological problems, and suggestion of possible methods for their solution.

Professor BUMPUS

27. *Bacteriological Research.* Elective for Graduates.

Laboratory work and seminar.

Professor GORHAM

28. *Advanced Physiology.* Elective for Graduates.

Students who have sufficient knowledge of chemistry and physiology are received into the laboratory, where they can pursue a course extending throughout the year. This work is supplemented by a weekly seminar at which German authors are read and discussed.

Professor TOWER

29. *Human Anatomy.* Laboratory instruction. Elective for Graduates.

In addition to the course in practical dissection, graduate students will be given an opportunity to attend certain operations at the hospital and to be present at autopsies.

Dr. PERKINS

THE FOLLOWING COURSES ARE OFFERED ONLY TO STUDENTS OF THE WOMEN'S COLLEGE

15w, 1w, 2w. *Introductory Biology.* Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for Sophomores, Juniors and Seniors.

Six hours of attendance. A prerequisite to other courses in the department. Anatomy, physiology and hygiene; the gross and minute anatomy of the human body; the functions of the nervous, respiratory, digestive, circulatory, secretory, excretory and reproductory systems; dissection of the frog and the cat; laboratory work supplemented by the use of anatomical preparations of the human body; incidental training in the use of the microscope and other laboratory apparatus.

Miss WING

22w, 23w, 24w. *Hygiene and Sanitation.* Three hours. Through the year.

Chemistry, digestion and economics of food; impurities of air and water; relation of bacteria to health and disease; disinfection and restriction of communicable diseases; emergencies and home nursing. Situation, drainage, plumbing, heating, lighting and ventilation of houses and other questions of home sanitation; visits to certain hospitals, and lectures and demonstrations by nurses and physicians.

Miss WING

XXIII. BOTANY

Professor BAILEY and Mr. COLLINS

1, 2, 3. *Vegetable Morphology, Physiology and Economic Botany.* Four hours. Through the year. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy; elective for Sophomores as a three hour course.

First Term, study of the phænogams from seed to inflorescence; Second Term, careful consideration of the flower, collateral reading, essay writing; Third Term, fruit and seed, collection and preservation, herbarium study.

Professor BAILEY and Mr. COLLINS

4, 5, 6. *Histology and Embryology of Phænogams.* Three hours. Through the year. Elective for students who have passed in 1, 2, 3.

Four hours of attendance. First and Second Terms, structure and physiology of the vegetable cell; comparative anatomy of root, stem and leaf; simple experiments in plant physiology. Third Term, early embryology of some phænogam, special attention to micro-technique.

Mr. COLLINS

7, 8. *Structure and Development of Cryptogams.* Three hours. First and Second Terms. Elective for students who have passed in 6 or 14.

Four hours of attendance. First term, types of the lower fungi and algæ. Second Term, types of the higher algæ. Particular attention to collection and classification.

Mr. COLLINS

12. *Study of the Higher Cryptogams.* Three hours. Third Term. Elective for students who have passed in 8.

Four hours of attendance. Hepaticæ, mosses, club-mosses, horsetails and ferns. Structure, classification and collection.

Professor BAILEY and Mr. COLLINS

13. *Taxonomy of Phænogams.* Three hours. Second Term. Elective for students who have passed in 3.

The principles of general and special classification, a study of the more difficult families, laboratory practice in arrangement of natural groups.

Professor BAILEY

14. *Medical Botany.* Three hours. Third Term. Elective for students who have passed in 5.

Chemical and medical constituents of plants; their production, location in the plant, storage; manufacturing processes; chemical and microscopical characteristics of the more common drugs.

Professor BAILEY and Mr. COLLINS

9. *Mycology.* Three hours. Third Term. Elective for students who have passed in 8. Not offered in 1899-1900.

Four hours of attendance. Structure and classification of the fleshy fungi, with special attention to the characters of edible and poisonous mushrooms.

Mr. COLLINS

NOTE: Course 9 alternates with 12.

XXIV. BIBLIOGRAPHY

Mr. KOOPMAN

1. *Books and Libraries.* Three hours. Third Term. Elective for Juniors, Seniors and Graduates.

Historical bibliography, manuscripts, printing, modern book-making, publishing, book-selling, book-buying, practical authorship; libraries, ancient and modern, their chief problems, management and use. Lectures by the instructor, oral reports and written discussions by the students. General rather than technical, being designed primarily for all users of libraries, but serving as an introduction for those intending to make library work a profession.

COURSES PREPARATORY TO PROFESSIONAL STUDIES

Since the number of elective studies has become large, students looking forward to the professions of the ministry, law, medicine or journalism are not infrequently at a loss to know which branches they ought to choose. To aid such students the following groups of courses are suggested. Competent students who complete these courses with special thoroughness are sometimes able to save a year in professional schools. Besides serving candidates for degrees, these lists will afford direction to students for the professions who may be obliged to limit their collegiate preparation to one, two or three years. No degrees are awarded at the completion of such shorter courses, but certificates of attainment are furnished when desired.

Preparatory to the Study of Theology

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 41.

SECOND YEAR

First Term	*Second Term*	*Third Term*
Rhetoric 2	Rhetoric 3	Rhetoric 4
Rhetoric 19	Rhetoric 20	Rhetoric 21
German 1 or French A	German 2 or French B	German 3 or French C
Greek 4	Greek 5	Greek 6
English 1	English 2	English 3
Physics 1 or Botany 1	Physics 2 or Botany 2	Physics 4 or Botany 3
Social Science 12	Political Science 12	Political Economy 12

Latin or French may be substituted for Greek. Chemistry may also be taken here, and followed in the third year by Astronomy. A course in the Semitic languages may be begun at this point, to continue one, two or three years, displacing studies regarded as less important. Other courses in English may, for qualified pupils. be preferable to 1, 2, 3.

THIRD YEAR

First Term	*Second Term*	*Third Term*
Hebrew 1	Hebrew 2	Hebrew 3
Philosophy 2 and 36	Philosophy 3 and 37	Philosophy 4 and 38
English 43 or 31	English 44 or 32	English 45 or 33
History 1	History 2	History 3 or 11 or Philosophy 19
Rhetoric 33	Rhetoric 34	Rhetoric 35

FOURTH YEAR

First Term	*Second Term*	*Third Term*
New Testament 1	New Testament 2	New Testament 7
Philosophy 5 and 8	Philosophy 23 and 9	Philosophy 24 and 10
Rhetoric 16	Rhetoric 17	Music 13

In this fourth year, History may be continued instead of Philosophy. Also, courses in Philosophy, in History, in Literature or in Biology may take the place of Social Science.

Preparatory to the Study of Law

FIRST YEAR

The regular Freshman Course for the degree of Bachelor of Arts. See page 41.

SECOND YEAR

First Term	*Second Term*	*Third Term*
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C
Social Science 12	Political Science 12	Political Economy 12

And in addition, two elective courses, one from the first and one from the second of the following groups:

(Group 1)

First Term	*Second Term*	*Third Term*
Greek 4	Greek 5	Greek 6
Latin 4	Latin 5	Latin 6
French 4	French 5	French 6
English 1	English 2	English 3

(Group 2)

First Term	*Second Term*	*Third Term*
Mathematics 9	Mathematics 10	Mathematics 11 or 12
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4

THIRD YEAR

Philosophy 2	Philosophy 3	Philosophy 4
Rhetoric 33	Rhetoric 34	Rhetoric 35
Rhetoric 27	Rhetoric 28	Rhetoric 29
History 1	History 2	History 3 or Philosophy 19
Political Science 4	Political Science 11	Political Science 2
Elementary Law 4 or 9	Elementary Law 7 or 1	Elementary Law 8 or 3

FOURTH YEAR

Philosophy, one course	Philosophy, one course	Philosophy, one course
Political Economy 4 or 7	Political Economy 10 or 6	Political Economy 11 or 5
History 4	History 5	History 6
Elementary Law 9 or 4	Elementary Law 1 or 7	Elementary Law 3 or 8
Political Science 3	Political Science 7	Political Science 6

Preparatory to the Study of Medicine or Biological Science

FIRST YEAR

First Term	*Second Term*	*Third Term*
Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2
Mathematics 1	Mathematics 3	Mathematics 2
French 1 or German 4	French 2 or German 6	French 3 or German 8
*Rhetoric 2	Rhetoric 3	Rhetoric 4

Candidates for the degree of Bachelor of Arts will take during the Freshman year the regular course scheduled on page 41.

* Students who take Rhetoric in the Freshman year should elect Botany in the Sophomore year.

SECOND YEAR

First Term	*Second Term*	*Third Term*
Comparative Anatomy 3	Comparative Anatomy 4	Comparative Anatomy 10
German 1	German 2	German 3
Physics 1	Physics 2	Physics 4
Chemistry 1	Chemistry 2	Chemistry 3
Rhetoric 2	Rhetoric 3	Rhetoric 4

THIRD YEAR

Comparative Anatomy 16 or 31	Comparative Anatomy 17 or 32.	Comparative Anatomy 30 or 33
German 4	German 6	Comparative Anatomy 18
Philosophy 2	Philosophy 3	German 8
History 1	History 2	Philosophy 4
Rhetoric 33	Rhetoric 34	Philosophy 19
Botany 1	Botany 2	Rhetoric 35
		Botany 3

FOURTH YEAR

Comparative Anatomy 19	Comparative Anatomy 9	Anthropology 1
Geology 1	Comparative Anatomy 20	Botany 14
Botany 4	Botany 5	Comparative Anatomy 21
	Zoölogy 1	
	Geology 2	

In the fourth year students are advised to elect courses in Philosophy, History and German, in addition to the above.

Preparatory to Journalism

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy. See Pages 41 and 46.

SECOND YEAR

First Term	*Second Term*	*Third Term*
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1	German 2	German 3
Chemistry 1	Chemistry 2	Chemistry 3
Physics 1	Physics 2	Physics 4
English 1	English 2	English 3
Social Science 12	Political Science 12	Political Economy 12

THIRD YEAR

First Term	*Second Term*	*Third Term*
Rhetoric 33	Rhetoric 34	Rhetoric 35
History 1	History 2	Philosophy 19
English 50	English 51	English 52
History 4	History 5	History 6
Social Science 2	Social Science 10	Social Science 4

FOURTH YEAR

Rhetoric 16	Rhetoric 17	Rhetoric 18
Political Science 3	Political Science 7	Political Science 13
Political Economy 7	Political Economy 6	Political Economy 5
History 7	History 8	History 9
Philosophy, one course	Philosophy, one course	Philosophy, one course

To proficiency in French and German, knowledge of the Spanish, Italian and Scandinavian languages might be added with advantage.

Some students while in college are able to engage in newspaper work by acting as correspondents of Providence, Boston and New York papers.

Preparatory to Teaching

With special reference to the Women's College

FIRST YEAR

The Freshman Course for the degree of Bachelor of Arts or Bachelor of Philosophy. See pages 41 and 46.

SECOND YEAR

First Term	*Second Term*	*Third Term*
Rhetoric 2	Rhetoric 3	Rhetoric 4
German 1 or French A	German 2 or French B	German 3 or French C
English 1	English 2	English 3

And two of the following electives:

Latin 4	Latin 5	Latin 6
Greek 4	Greek 5	Greek 6
French 4 or 13	French 5 or 14	French 6 or 15
Mathematics 9	Mathematics 10	Mathematics 12
Chemistry 1	Chemistry 2	Chemistry 3
Social Science 12	Political Science 12	Political Economy 12

THIRD YEAR

First Term	*Second Term*	*Third Term*
Philosophy 4	Philosophy 3	Philosophy 2
History 3.	History 2	History 1
Philosophy 19	Rhetoric 34	Rhetoric 33
Rhetoric 35		

And three of the following electives:

Comparative Anatomy 15	Comparative Anatomy 1	Comparative Anatomy 2
Physics 1	Physics 2	Physics 4
Social Science 12	Social Science 2	Social Science 3
Political Science 1	Political Science 12	Political Science 2
Political Economy 1	Political Economy 2	Political Economy 12
Philosophy 36	Philosophy 37	Philosophy 38

FOURTH YEAR

Philosophy 5	Philosophy 23	Philosophy 24
Pedagogy 1	Pedagogy 2	Pedagogy 3
Electives, nine hours	Electives, nine hours	Electives, nine hours

Students should of course select those studies which will be of most assistance in preparing for the particular subjects which they intend to teach, omitting if necessary some of those outlined above. The course in Pedagogy should, however, be taken by all. For those who can afford the time, the graduate course in Pedagogy will be found extremely valuable.

THE WOMEN'S COLLEGE

William Herbert Perry Faunce, D. D., President.

Louis Franklin Snow, A. M., Dean.

Advisory Council

Miss Sarah E. Doyle, Miss Amelia S. Knight,
Mrs. Eliza G. Radeke, Mrs. A. I. C. D. Ames,
Mrs. Annie Howes Barus.

Instruction for undergraduate women is provided for by a department of the University known as the Women's College in Brown University. In graduate work all courses offered in the University are open to both men and women at the same times and places. For graduate courses and degrees see pages 52-54. In undergraduate work the aim of the Women's College is to offer to all properly prepared women precisely the same examinations, the same courses of study under the same teachers, the same degrees, the same opportunities in every respect that the University offers to men, but to preserve the distinct social life of a separate college organized around womanly ideals, and left free to develop itself without the imposition of any theory.

The general direction, supervision and government of the Women's College is in the hands of the President. The immediate charge of the Women's College in respect to registration, teaching, government and discipline, devolves, subject to the direction of the President, on the Dean. The Advisory Council, appointed under the authority of the Corporation, advises with the President and with the Dean upon matters relating to the Women's College, and from time to time makes to the Advisory and Executive Committee, or to the Corporation, recommendations in reference to the Women's College.

The instruction in the Women's College is given by the professors and instructors in Brown University.

Brown University examinations are open to women only when they are registered in the Women's College or as graduate students.

The Corporation receives gifts of money to found scholarships, fellowships and professorships in Brown University for the behoof of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

Entrance Examinations

The requirements for admission to the Women's College are the same that the University demands of men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 31-39.

Courses of Instruction

In all the required studies classes are formed which are taught by the professors and instructors who have in charge the corresponding classes of men. Information in regard to the requirements for the various degrees may be found on pages 40-51.

The elective courses are identical in character with those offered to men. The list given on pages 55 to 104 of this catalogue may, therefore, be taken as indicating the range of choice. More precise information as to the courses offered is given each year in the circular issued at the beginning of the summer vacation.

Students who do not wish to become candidates for a degree are admitted to select courses of any extent, consisting either of special work in a single subject or of general studies for one term or more. Each applicant for registration in such a course must

present to the Dean sufficient evidence of her ability to pursue successfully the course chosen. Moreover, every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

Examinations

As a rule, women take the same examinations as those offered to men, and at the same times and places. When this is impracticable, and a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of proficiency are given after all examinations.

Before each University examination period the Dean files with the Registrar of the University a list of all undergraduate candidates for University examinations who are approved by the instructors in the Women's College, thus certifying to the fitness of the candidates to undertake the examinations; but no candidate is admitted to an examination whose term-bill is not paid or satisfactorily arranged-for at least five days before the beginning of the examination period.

Degrees

Upon women students who complete with credit any of the regular courses, the Corporation of the University confers the corresponding degrees.

Special students who satisfactorily complete any of the minor courses of study receive certificates of their attainments.

Physical Culture

Great emphasis is laid upon physical training, and a competent teacher gives instruction in this subject throughout the year. Regular exercise with light apparatus is required three hours each week of Freshmen and Sophomores; it is elective for Juniors and Seniors.

Pembroke Hall

The new recitation building for the Women's College is built of red brick with stone and terra cotta trimmings, after the old English University style of the fifteenth and sixteenth centuries. The building is three stories high, and is fitted up with every convenience. On the first floor are the offices, a private room for the instructors, and three recitation rooms with a seating capacity of fifty-four in the smallest and seventy-nine in the largest. The hallway is fifteen and one-half feet wide, and the main staircase runs from the first floor to the assembly room at the top of the building. On the second floor are two recitation rooms, a reception room, a study and library combined, thirty by twenty-six feet, and a magazine and reading room, eighteen by twenty feet. The third floor is one large hall, seventy-six by forty-four feet, with open timbered roof and two large fireplaces, and on the south side a platform with a staircase from the rear to a dressing room in a half-story between the platform and reception room. In the basement, which is light, dry and airy, the students' lockers, baths, kitchen and lunch room are located.

The building is named after Pembroke College, Cambridge, England, the alma mater of Roger Williams.

Scholarships and Premiums

The Sarah E. Doyle scholarship for young women, consisting of one thousand dollars, has been founded by the woman whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence High School.

The sum of one thousand dollars has been paid to the Treasurer of the University to be known as "The Sarah Sutton Scholarship for young women, founded by one of her eight daughters." The donor reserves the right to nominate candidates for this scholarship for a certain number of years.

The Daniels Scholarship Fund of twenty-five hundred dollars, founded by Harriet Daniels in memory of David Daniels, of the

class of 1824, and of Francis Adolphus Daniels, of the class of 1862, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College.

The Howard Scholarship of one thousand dollars, presented by James Leland Howard, of Hartford, Conn.

The Joseph Thayer Scholarship of sixty-five hundred dollars. The income shall be for the education of any young man *or woman*, who is a resident of the town of Uxbridge, desiring a liberal education.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some worthy student in the Women's College.

The Gaspee Chapter of the Daughters of the American Revolution Fund of one thousand dollars has been paid to the treasurer of the University by the Gaspee Chapter of the Daughters of the American Revolution, the income to be given annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The topic for the year 1898-99 was "The Diplomatic History of France and the United States from 1776 to 1783." Miss Gertrude Edna Millard was the successful competitor. The topic for the year 1899-1900 is "British Sympathy with the American Revolution from 1765 to 1783." The essays are to bear each an assumed name, but to be accompanied each by an envelope marked with such assumed name and enclosing a sheet of paper with the candidate's real name and address. The essays must be handed to the Dean of the Women's College before May 1, 1900. The award will be announced on Commencement Day, when the topic for the ensuing year will be named.

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. (See index.) Women candidates successful in first premium contests receive collateral prizes awarded by the Dean. In 1899 a collateral first prize in Greek was awarded to Miss Flora Sawyer Gifford of Buffalo, N. Y.

Expenses

Students of the Women's College pay the same amount as other students of the University. One-half of the tuition and of the incidental expenses are to be paid in advance. The remainder is due January first. Laboratory expenses, etc., are to be paid two weeks before the close of a term. Checks should be made payable to L. F. Snow, Dean.

CANDIDATES FOR A DEGREE

Tuition, $105.00 per year. No deduction is made on account of absence.

Incidentals, $45.00 per year.

Every member of the Freshman Class pays, upon admission to the Women's College, a matriculation fee of $5.00.

Every member of the Senior Class pays upon graduation a fee of $8.00 for her diploma and other expenses connected with graduation.

SPECIAL STUDENTS

Special students of the Women's College are charged $10.00 a term for each course holding three recitations a week. Laboratory charges are in addition to this.

RESIDENCE

The Women's College has no dormitory, but seeks rather to establish the "cottage system," or to secure desirable homes for students in private families. The Advisory Council takes an active interest in this matter, and advises the students in regard to suitable places. Where a number of students live in one house, the Council exercises supervision over the house. In every way the endeavor is made to surround young women coming from a distance with a genuine home atmosphere, and to give them all needful counsel concerning their social life. All students not living at their own homes are required to register their local addresses with the Dean at least one week before the opening of the college year.

LIBRARIES

The University Library

The University Library consists of over one hundred thousand volumes. It comprises the main library, which is stored in the fire-proof building, the gift of John Carter Brown, of the class of 1816, and the department libraries, which are placed in connection with the various laboratories and seminary rooms. Additions are constantly made with reference to the needs of the different departments of study, while at the same time there is kept in view the development of a library of general culture for the use of the students.

Though many of the volumes are rare and costly, free access is allowed to the shelves of the Main Library. On the first two floors are arranged the books most in use, the entire west wing of the Library on the first floor being given up to History, the north wing to Periodicals, Fine Arts and Social Science, while the east wing is occupied by works on Literature and Language. The second floor is devoted to Philosophy, Theology, the Sciences and the Arts. In a separate room on this floor is shelved the Harris Collection of American Poetry. This collection, founded by Albert G. Greene, and extended by C. Fiske Harris, was bequeathed to the University by the late Senator Anthony. It receives frequent additions, and now numbers over five thousand bound volumes, being perhaps the largest collection in the world devoted to the subject. On the third floor are kept certain collections, such as works devoted to Rhode Island History, Brown University, Baptist History, and Bibliography, besides many thousand volumes of works infrequently consulted, all arranged according to the classification adopted for the lower floors.

On the first floor, upon the corner tables in the central reference room, are kept the latest numbers of the standard periodicals, American and foreign. Behind them, conveniently arranged, are books of reference, while various shelves, particularly those on the central table, are devoted to books reserved by the departments. In this room are the Loan Desk where books are

charged and returned, and the desk of the Reference Librarian whose duty is to advise and assist students in their use of the books whether for class work or for private reading and research.

The library funds amount to sixty-seven thousand dollars. Of this sum ten thousand dollars constitutes the Gammell fund for the purchase of books relating to the history of the United States; ten thousand dollars, the Olney Fund for the purchase of plants and botanical books; ten thousand dollars, the Diman Memorial Fund for the purchase of works on mediæval and modern history; and ten thousand dollars, the Banigan Fund for the purchase of books on mediæval and church history. The remainder forms the Library Fund proper.

The following persons are entitled to the use of the Library without expense: The members of the Corporation and Faculty; other college officers; graduates residing in the state of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the state of Rhode Island; graduate and undergraduate students; and also other persons on whom the Corporation or the Library Committee may from time to time confer the privilege.

The Library is open during term time every day from 9 A. M. to 10 P. M., and during vacations from 10 A. M. to 4 P. M. on week days.

THE GERMAN DEPARTMENT LIBRARY

In the two rooms occupied by the Germanic department in Sayles Memorial Hall is the Conant German Seminary Library, which was purchased in Germany by Professor Williams, in the name of the principal donor, the Hon. Hezekiah Conant. The library now contains over six thousand carefully selected volumes, including editions of all the important writers in German literature; a large collection in Germanic philology; all the leading German literary and philological periodicals; many works upon German history, the history of German literature, and German law, art, palæography and geography. The library is especially rich in works of the Middle High German period, and in Goethe and

Schiller literature. It possesses many works of art which illustrate the subjects taught, bronzes, framed engravings, and volumes of plates. All the officers of the department have their private studies here, and are thus brought into daily contact with their advanced students. The rooms are open from 8 A. M. to 10 P. M.

THE CLASSICAL DEPARTMENT LIBRARY

The Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness, Ph. D., LL. D., occupies a large room in Sayles Hall. It is furnished with a library of fifteen hundred volumes, purchased with funds contributed by friends of the University interested in classical studies. In selecting the books, the requirements of a good working library were studied with particular care. The most important collections of Greek and Roman authors, the best commentaries, reference books and similar aids are therefore to be found here; and the seminary is made the centre for advanced study and research in the classical languages and literatures. Though primarily intended for graduates, the seminary is open to such of the undergraduates as are qualified to profit by its advantages. The room is open from 9 A. M. to 10 P. M.

THE ROMANCE DEPARTMENT LIBRARY

In a room in Sayles Hall, set apart for the use of advanced students in the Romance languages, a small but choice special library has been begun. Here all the graduate courses of the department are conducted; and one of the professors or instructors is constantly at hand to give informal assistance and advice to those admitted to the privileges of the collection.

OTHER SPECIAL LIBRARIES

Most of the other departments of the University have special collections of books for seminary and advanced laboratory work. The most important of these belong to the departments of English, Biblical Literature and History, Chemistry, Physics, Botany, Comparative Anatomy, and Drawing.

THE SEARS READING ROOM

The Sears Reading Room Association, conducted by the students, occupies a commodious and well-lighted room, conveniently situated on the first floor of University Hall, fitted up especially for its use, and supplied with the most important newspapers, daily and weekly, as well as with a variety of the more popular illustrated periodicals.

Other Library Facilities

There are also practically at the service of the students of the University the five collections of books named below. These comprise, with the University Library, more than a quarter of a million volumes, exclusive of pamphlets and manuscripts. The first three libraries named are entirely free, and the other two are readily available.

THE PROVIDENCE PUBLIC LIBRARY

All students of Brown University are allowed, upon the same conditions as other residents of the city, to make use of the well selected Public Library of Providence. It consists of over 88,000 volumes, and occupies in its new building on Washington Street, one of the handsomest and best planned library structures in America. The library is open from 10 A. M. to 9 P. M.; on Sundays and legal holidays, from 2 to 9 P. M. The librarian prepares lists of references on various topics which are of service to students. He is glad to be consulted with respect to books in any of the departments of University study. This library is especially rich in works pertaining to the history of slavery and of the Civil War.

THE STATE LAW LIBRARY

This collection of 24,000 volumes may be consulted in the Providence County Court House, at the corner of Benefit and College streets, between the hours of 9 A. M. and 5 P. M. It is accessible to all students, and for certain lines of University study is invaluable.

THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The Cabinet of the Rhode Island Historical Society, is situated on Waterman street, next door to the University Library building. The library of the society comprises 20,000 bound volumes and 40,000 valuable unbound volumes and pamphlets. Through the courtesy of the society the collection is made accessible, free of charge, to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in many departments of general American history. The collection is open from 9 A. M. to 4 P. M.; on Saturdays, from 9 A. M. to 1 P. M.

THE LIBRARY OF THE PROVIDENCE ATHENÆUM

The Athenæum furnishes a home library, larger and better than that within the means of any individual shareholder. Its growth is along the lines of general literature. The library numbers 61,000 volumes, and the reading room receives upwards of 150 papers and magazines, including New York, Boston and Providence daily papers, and American, English, German, French and Italian weeklies, magazines and reviews. In bound sets of periodicals this library is especially rich. Professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in advance, and any student of Brown University whose family does not reside in the city, or who may obtain special privilege from the board of directors, may become a subscriber for three months on the payment of one dollar in advance. The Athenæum is open, during the college year, from 9 A. M. to 10 P. M.

THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

This is a collection of over 12,000 volumes upon medical science, including physiology, physiological psychology, hygiene and other subjects pursued in the University. Arrangements are easily made whereby any student can, without cost, enjoy the privileges here offered. This library is in the Arnold Block, 54 North Main street, and is open from 2 to 6 P. M.

LABORATORIES

The Ladd Astronomical Observatory

The observatory is equipped with a Saegmuller-Brashear equatorial of twelve-inches aperture, which is supplied with a filar micrometer, spectroscope and other attachments; two transit instruments, one of which can be used as a zenith telescope; a chronograph; two astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses open to undergraduates and graduates.

The observatory furnishes constant time-signals to the Rhode Island Electric Protective Company, by which they are distributed to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity and precipitation are made throughout the year. Special observations are also made as opportunity offers.

The Physical Laboratory

All the courses of instruction offered by the department of Physics are conducted in Wilson Hall. This building was specially designed and constructed for a physical laboratory. The general lecture-room is large and well ventilated, and contains all the necessary conveniences for the experimental demonstration of lectures. Twelve laboratory rooms are available for the experimental study of physics, each room being adapted to the investigation of a particular branch of the subject or available for the arrangement of classes according to proficiency. Brick piers are provided for the support of instruments requiring great steadiness, and the magnetic rooms are as free as possible from iron and other disturbing influences. Two rooms on the ground

floor are devoted to a laboratory for electrical engineering, and are well equipped with machinery and instruments. Equipment for certain special investigations recently undertaken has been placed at the disposal of the department by friends of the University. Efforts are being made continually to develop the facilities for high-temperature and high-pressure work, in the directions specified in courses 22 and 23. The cabinets are well supplied with apparatus both experimental and demonstrative, and frequent additions are made as necessity requires. In all such cases selections are made with a view to use in the students' laboratory as well as in the lecture-room, and to the exclusion of merely exhibitional apparatus.

Anatomical Laboratory

The laboratories of the department of Comparative Anatomy are in Rhode Island Hall, and consist of private rooms for instruction, a laboratory for graduate students, a seminar room, a physiological laboratory, a laboratory for bacteriology and histology, a laboratory for neurology and embryology, and the large laboratory for elementary anatomy and the comparative anatomy of vertebrates and invertebrates.

All the laboratories are adequately equipped with appropriate reagents and apparatus. The very large collection of zoölogical material, the anatomical and histological preparations of the museum, the anatomical collection of the Rhode Island Medical Society, and rich material frequently contributed by the United States Fish Commission from the deep sea dredging excursions, are always accessible to the students. Abundant living material is also readily available, since the laboratory is situated near the salt water and within a few miles of two floating laboratories located on opposite sides of Narragansett Bay.

The department library contains several hundred volumes of the more important works on biology. More than forty current biological periodicals are regularly received, and full sets of many of the most useful journals are upon the shelves.

The Chemical Laboratory

The department of Chemistry occupies a building erected expressly for its use. Besides various subsidiary rooms the building contains the chemical lecture-room and laboratories. Adjoining the lecture-room are rooms containing the apparatus in most frequent use for illustrating the lectures. The students' laboratory is supplied with work-tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. Adjacent to the students' laboratory are the balance room, the furnace room, the professor's office, and the assistants' laboratory.

The Botanical Laboratory

The botanical department occupies the entire basement of Maxcy Hall. The main lecture-room and laboratory will accommodate forty-eight students. A somewhat smaller room adjoining is used for a histological laboratory. Instruments and certain materials are provided. The Herbarium, on the same floor, is convenient for consultation and systematic study of native and foreign plants.

The Psychological Laboratory

The psychological laboratory occupies rooms in Wilson Hall. It possesses a considerable variety of apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is especially well adapted for the illustration and demonstration of the main results of experimental work in psychology. Experimental psychology, however, is a science of recent origin, and its many yet unsolved or even unsuspected problems offer a rich field for further investigation. The department aims to make contributions to knowledge on this subject by original research; and the apparatus already possessed, that which can be supplied

by the University workshops or by purchase, together with what can be prepared in the laboratory itself to meet the demands of the particular problem, offer good facilities for undertaking such work.

Mechanical Engineering Laboratory

The laboratory, situated in the basement of Sayles Memorial Hall, is provided with excellent apparatus for making the most important tests on the strength of materials. The apparatus includes a 50,000-pound Riehlé testing machine, a machine for testing full-sized timber and steel beams, a Riehlé cement-testing machine and various pieces of auxiliary apparatus. Laboratory tests connected with the course in steam engineering use as a basis the various engines and boilers operated by the University.

The Mechanical Engineering Workshops

There are two workshops, one for wood-working and the other for metal-working. The wood-working shop is provided with large and small lathes; circular, band and jig saws; buzz and surface planers, and vertical boring and mortising machines. The metal-working shop has several engine lathes of good sizes, hand lathes, a planer, a shaper, a milling-machine, large and small vertical drills, a universal grinder, a surface grinder and a cutter and reamer grinder. The machine tools are run by two ten-horse-power electric motors. Both shops are well supplied with benches and bench tools.

The Drawing Rooms

There are three large and well-lighted drawing rooms, accommodating two hundred students. These rooms are on the top floor of University Hall, and are reached through the south entrance. About two hundred valuable models in wood and metal have been collected. Many of these are mechanical in nature and are extensively used in the courses. The department

possesses a dark room, exposure frame and washing tank, for preparing and developing blue-prints. Through the generosity of friends a library for students interested in mechanical engineering has been established. A limited number of sets of drawing instruments have been provided for the use of deserving students who would otherwise be unable to pursue desired courses in drawing.

MUSEUMS

The Museums of Zoölogy and Anthropology

The Museums of Zoölogy and Anthropology are in Rhode Island Hall, and are open to the public daily. Students desiring to use the collections for the purpose of study or investigation are given every encouragement, the aim being to make the museums not mere exhibition rooms, but places for work.

The zoölogical and anatomical collections of the University form the Jenks Zoölogical Museum, although large quantities of valuable material are still in storage awaiting suitable and sufficient case room for proper installation.

The Museum of Anthropology contains a collection of articles of dress and rare implements from foreign countries, and a valuable collection of stone implements of the aboriginal races of America.

The Herbarium

The Herbarium, situated in Maxcy Hall, consists mainly of various collections which have been given or bequeathed to the University. Those of Colonel Olney, Mr. Bennett, Professor Bailey, Miss Stout and Mr. Brownell are the most prominent. The Olney collection is particularly rich in the genus *Carex*. The Stout collection consists mostly of ferns. In addition to these collections, many specimens have been obtained by exchange, purchase and small donations. The Olney, Bailey and Stout collections are nearly all mounted; the remainder, more than one-half, are mainly unmounted. These collections are merged in one general herbarium and deposited in cases. They are roughly estimated to contain in all about 40,000 sheets, representing specimens from more than 60,000 localties. The arrangement of orders and genera of the flowering plants is according to Bentham and Hooker's *Genera Plantarum;* the ferns, according to Hooker's *Synopsis Filicum;* the mosses, according to Eaton's list. To these is added the nucleus of a collection of seeds.

Many portraits of famous botanists hang on the walls of the Herbarium room. For these the University is indebted to the generosity of Mr. Charles H. Smith, of Providence. A painted portrait of Colonel Stephen T. Olney, the founder of the department, has been presented to the Herbarium by his niece, Mrs. F. H. Peckham.

The Museum of Fine Arts

The Museum of Fine Arts occupies the first floor of Manning Hall. It contains plaster casts of rare excellence, chiefly from works of classical sculpture, which are of great value in illustrating ancient history, biography and art. The latest addition to the Museum consists of portrait busts of Washington and Franklin, both by Houdon. The bust of Washington is a gift from the Hon. Oscar S. Straus, and that of Franklin a gift from Dr. J. Ackerman Coles and Miss Emilie S. Coles, from the estate of their father, the late Dr. Abraham Coles, of Scotch Plains, N. J.

The fine painting, "In the Autumn Woods," by J. M. Hart, the gift of Gen. Rush C. Hawkins, has recently been hung in the Museum.

PORTRAITS

The University possesses a large number of valuable portraits. Most of them are hung in Sayles Memorial Hall, which is thus made one of the chief centres of attraction on the University grounds. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of many of its former officers, and of numerous other distinguished persons, Americans and foreigners ; the history of Rhode Island being especially well represented.

PHYSICAL CULTURE

A certain amount of systematic physical training is required of every undergraduate connected with the University, unless he is physically unable to engage in it.

Upon entering the University every student is given a thorough physical examination by the Director of Physical Culture. From this examination a chart is made out for the student, showing his size, strength and development, and how he compares with the normal standard. Along with these data is given a card indicating how any weakness that may exist is to be remedied, and affording advice in reference to bathing and the general care of the body.

From November until April every student is required to exercise three hours a week in the Lyman Gymnasium. Most of this exercise occurs in classes. For class drill, the Freshmen swing Indian clubs; the Sophomores employ dumb bells; the Juniors engage in single-stick exercise; the Seniors use fencing foils. As a supplement to these drills each class is separated into four divisions, which perform exercises upon chest-weights, horizontal and parallel bars and other apparatus. The movements executed are graded to correspond with the strength and advancement of the several divisions. During the Sophomore and Junior years boxing and wrestling are carried on also in classes. These forms of exercise carefully conducted prove to be in the highest degree popular and beneficial. The remainder of the required three hours a week each student devotes to the fulfillment of the directions given him on the card made out from the measurements taken at the beginning of the year. Each student is regularly marked and credited in his gymnasium work on the basis of faithfulness and punctuality.

In addition to the exercise in the gymnasium, every effort is made to encourage interest in out-door sports and participation in them at proper seasons of the year. Regular exercise in the open air is urged upon students as of very great importance.

Lincoln Field adjoins the gymnasium, and the new athletic field about a mile from the University is available for all forms of athletic contests.

The general control of all athletic organizations is in the hands of a committee of the Faculty.

Hospital Beds

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, The Charles Smith Bradley Free Bed, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, The George Ide Chace Free Bed, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical and other attendance, and medicines and board, free of charge."

THE RELIGIOUS LIFE OF THE UNIVERSITY

Brown University was founded by men of profoundest religious impulse and unswerving faith in Christianity. While no religious tests are ever imposed on any officer or student, but perfect freedom is guaranteed to all, the authorities of this University believe that the religious development of students is a matter of primary importance, and that no intellectual culture can compensate for the atrophy of the religious nature. The atmosphere of the University is frankly and unequivocally Christian.

Chapel exercises are held each morning in Sayles Hall at 8.40. At the same hour the Women's College has its chapel service at Pembroke Hall. At each service the undergraduate students are required to attend. The President usually conducts the exercises at one hall or the other.

All students are desired and encouraged to attend divine worship on Sunday, and the churches of the city are most cordial in their attitude toward the student body.

The Brown University Young Men's Christian Association holds its meetings on Wednesday evening. It also conducts four distinct Bible classes, meeting once a week with excellent results. Several of the different religious denominations represented in the University have their associations or clubs, for the promotion of mutual acquaintance and sympathy.

Many of the courses of study offered in the regular University work, such as the courses in Philosophy, Ethics, Biblical Literature and History, are taught not merely from motives of intellectual curiosity and enthusiasm, but with deep desire to mould character and lead men through nature and history to God. The widening of the curriculum and the multiplication of studies have only imparted new significance to the motto on the seal of the University: "In Deo Speramus."

LECTURES

During the year 1898-99 the following lectures, many of them open to the public, were delivered before various University bodies:

Before the Philosophical Club

Philosophy and Poetry. The annual address. Professor James Seth, Sc. D., of Edinburgh University.

Before the Department of Social and Political Science.

Social Settlements. Robert A. Woods, A. M., Head of the South End House, Boston, Mass.

Before the Biblical Research Club

The Social and Religious Life of Ancient Israel. Professor Charles F. Kent, Ph. D., of Brown University.

Palestine of To-day. Reverend Thomas D. Anderson, D. D., of Providence.

John the Baptist. Professor Rush Rhees, A. M., of Newton Theological Institution.

Jewish Historical Literature. Professor George F. Moore, D. D., of Andover Theological Seminary.

Preliminary Data for a Biblical Study of the Second Coming of Our Lord. President Charles C. Hall, D. D., of Union Theological Seminary.

Before the Chemical Society

The Discovery and Use of Ether as an Anesthetic. Mr. Charles K. Francis, of Brown University.

Newly Discovered Substances Announced as Elements Provisionally. Professor John H. Appleton, A. M., of Brown University.

Poisons and Antidotes. Charles W. Higgins, M. D., of Providence.

The Origin of Chemical Substances. W. Louis Chapman, M. D., of Providence.

Carnots' Cycle and the Fundamental Concepts of Physical Chemistry. Professor Carl Barus, Ph. D., of Brown University.

Chemical Physiology of the American Flounder. Thomas J. Burrage, A. M., of the Harvard Medical School.

Impurities in Commercial Copper Sulphate. Mr. Jesse G. Melendy, of Brown University.

Certain Derivatives of Carbonic Acid Specially Interesting to the Physiological Chemist. Professor Ralph W. Tower, A. M., of Brown University.

Some Chemical Experiments on a Biliary Fistula. John C. Pegram, Jr., M. D., of Providence.

Sugar. Professor Appleton.

The Manufacture of Flour and Bread. Charles A. Catlin, Ph. B., of Providence.

The Biological Examination of Drinking Water. Professor Frederick P. Gorham, A. M., of Brown University.

Before the Biological Club

Geographical Distribution. Professor Hermon C. Bumpus, Ph. D., of Brown University.

Studies on the Pleuronectidæ. Thomas J. Burrage, A. M., of the Harvard Medical School.

Diphtheria. Charles V. Chapin, M. D., Superintendent of the Providence Board of Health.

The Sewerage System. Mr. Otis P. Clapp, City Engineer, Providence.

Tropical Life. Professor George W. Field, Ph. D., of the Rhode Island Agricultural Experiment Station.

A Disease Affecting Fish. Professor Frederick P. Gorham, A. M., of Brown University.

Sterilization of Milk. George F. Keene, M. D., Superintendent of the State Hospital for the Insane.

The Vertebrate Ear. Professor J. Sterling Kingsley, Ph. D., of Tufts College.

Influences of Stimuli on Protoplasm.—Life History of the Starfish. Professor Albert D. Mead, Ph. D., of Brown University.

Coördination in the Nervous System. Adolf Meyer, M. D., of the Worcester Insane Hospital.

Tuberculosis. Jay Perkins, M. D., of Providence.

Results of Work on the Hermit Crab. Millett T. Thompson, A. M., of Brown University.

Cell Theories. Professor Ralph W. Tower, A. M., of Brown University.

Results of Work on Hydroids. Frank E. Watson, A. M., of the University of Nebraska.

The Influence of Weather on Health. Ada G. Wing, A. M., of Brown University.

STUDENT ADVISERS

With the present year a system of student advisers has been instituted in the University. Each member of the Freshman class is assigned to some member of the Faculty, who serves throughout the year as a special counsellor and friend to that student. The preference of students is consulted, and also the preferences of different members of the Faculty. It is believed that many students are graduated from the University without that personal acquaintance with the Faculty which is usual in smaller institutions. Under the elective system, students are frequently at a loss to decide upon courses of study. On these and all other matters, public or private, the students will be at liberty at any time to secure the counsel of his adviser. The relation between the two is designed to be perfectly fraternal, without restraint on either side. The committee having charge of the assignment of students for the present year is as follows :

Professors Bumpus, Allinson, Meiklejohn, Potter and Greene.

ATTENDANCE, EXAMINATIONS AND REPORTS

Registration and Attendance

All undergraduate students and resident graduate students who desire to attend the University during a given term are required to register at the Registrar's office on or before the first day of such term. Every undergraduate student registered or re-registered after the first day of any term is charged for such registration or re-registration a fee of five dollars, to be remitted only by the President, and only on presentation of a substantial excuse for the lateness or the change. Any modification of a registration once made is accounted a re-registration.

Each student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

Examinations and Standing

Except in laboratory, seminary and similar work, all classes are examined at the close of each term.

A student is not admitted to examination in a study in which his term work is unsatisfactory to the officer of instruction or from which he has been absent one-half of the time assigned to the study.

The standing of students is indicated by capital letters as follows :

H is assigned to those whose work has been exceptionally good.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those whose work during the term has been so unsatisfactory that in the opinion of the instructor they should not be allowed an examination, or to those whose examination

has been so unsatisfactory that it should, in the opinion of the instructor, constitute a failure without regard to the work of the term, or to those who in the combined work of the term and the examination have failed to pass in the subject.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

Abs is assigned to those who are absent from examination, unless *F* has already been assigned.

Whenever a student's absence from examination has not been excused by the Committee on Absences, the mark *Abs* is changed to *F*.

A student who receives the mark *F* must pursue the subject again with a succeeding class, or, if the instructor allows, under a tutor appointed by the head of the department; or, if the failure is in an elective course, he may take as a substitute some other course approved by the Committee on Admission to Advanced Standing.

A student who wishes to take a special examination must obtain from the Registrar a written authorization, for which he must pay a fee of two dollars, and must then arrange with the officer of instruction for the examination. In case the student has been studying under a tutor the authorization blank must also be signed by him, and in case of an absence from the regular examination the blank must be signed by the Chairman of the Committee on Absences.

A student who is delinquent in the studies of a given year cannot, unless specially excused by the Faculty, begin the studies of the next year, until he has passed the required examinations.

A student who at the close of a term has failed in three or more studies, counting for more than eight hours of work per week, cannot be again registered without special action of the Faculty.

Reports of Attendance and Proficiency

A careful record is kept of the attendance of every student of the University, and of his proficiency in his several studies. The standing of every undergraduate student is determined at the

close of each term. A report is sent to the parent or guardian of every undergraduate student containing the record of all absences from required exercises, indicating his standing in each of his studies for the term, and announcing his deficiency in any study or studies if such deficiency exists.

Appointments for Commencement

Every member of the Senior Class is allowed to present for Commencement an oration or a thesis. These papers, which are due on or before the second Wednesday of April, are passed upon by a committee consisting of the President of the University, the Professor of Rhetoric and a third member elected each year by the Faculty. This committee select such orations, not exceeding ten in number, for delivery at Commencement, as, in view of the writer's thought, composition and ability to speak, are most worthy of that distinction; and such theses for mention in the Commencement program as are found most deserving for mastery of subject-matter and for excellence in composition.

EXPENSES

Upon registration every student is required to present a guarantee covering all his college expenses, signed by his parent or guardian, or other responsible person.

Term bills are due, and must be paid or their payment secured, on presentation, at the beginning of each term.

Regular University Dues

UNDERGRADUATE CANDIDATES FOR DEGREES

The dues of each undergraduate candidate for a degree are as follows:

Tuition, $35 per term; $105 per year.

General incidentals, $15 per term; $45 per year.

The incidental expenses are for the printing of programs, examination papers, and the like, the use of the library and gymnasium, heat for these and for the halls and recitation rooms, and the wages of servants to care for the same.

Each undergraduate candidate for a degree pays, upon admission to the University, a matriculation fee of $5.

Every member of the Senior class pays upon graduation a fee of $8 for his diploma and other extra expenses connected with graduation.

For laboratory dues, see below.

For expenses of college rooms, see below.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals and laboratory fees (exclusive of breakage which is charged at cost) only half the usual term dues. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

SPECIAL STUDENTS

Special students in the University pay, as a rule, full tuition and incidentals, but the charge is proportionately less when students are admitted to courses of less than fifteen hours of class attendance a week.

GRADUATE STUDENTS

The fees for graduate students in residence are:

Tuition, $50 per term; $150 per year.

Examination for the degree of MASTER OF ARTS, $15.

Examination for the degree of DOCTOR OF PHILOSOPHY, $25.

Laboratory dues, see below.

A candidate in residence for the degree of MASTER OF ARTS who has paid tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of MASTER OF ARTS who, without remitting his studies, becomes a candidate for the degree of DOCTOR OF PHILOSOPHY is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

A candidate for the degree of DOCTOR OF PHILOSOPHY who has paid tuition for two years may, without additional charge, continue his studies for two years more if necessary to the attainment of his degree.

The fees for a non-resident candidate for the degree of MASTER OF ARTS are:

Registration fee, $25.

Tuition, $10 per term, $30 per year.

Examination fee, $15.

For laboratory dues, see below.

A non-resident candidate is entitled, upon payment of the above fees, to pursue one three hour course at the University. For each additional one hour course $5 is charged; for each additional two hour or three hour course, $10.

A non-resident candidate who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for two years more without additional charge, except for work taken in class-room, as stated in the preceding paragraph.

Graduate students not candidates for a degree pay for each course of one hour a week, $5; for each course of two or three hours a week, $10.

Special Laboratory Dues

Except in chemistry, graduate students are charged $5 a term for a three hour laboratory course. No graduate student, however, whose tuition fees are paid is charged, aside from breakage, more than $35 a term for all laboratory work.

CHEMISTRY

Students who take courses 1, 2 or 3 are charged for course 1, $1; for course 2, $2: for course 3, $3, in addition to the regular charges for tuition.

Students who take advanced courses in analytical chemistry are charged $10 a term for a three hour course, (six hours attendance), and $20 for a six hour course, (twelve hours attendance).

Graduate students pay the same fees as undergraduate students.

All students in the laboratory are charged for their individual breakage of apparatus. This charge seldom exceeds $3 a term.

PHYSICS AND ENGINEERING

Students who take courses in the physical laboratory pay $5 a term for a three hour course, (six hours attendance).

Students who take shopwork pay $10 a term for a three hour course, (six hours attendance).

BOTANY

Students who take courses in Botany pay $3 a term.

COMPARATIVE ANATOMY

The charge for a laboratory course varies from $2 to $5.

Estimate of Annual Expenses

The following is an approximate estimate of the annual expenses of a student occupying (with a room-mate) a dormitory room, without including clothes, travelling or other strictly personal expenses.

	Minimum	Medium	Maximum
Tuition	$105	$105	$105
Incidentals	45	45	45
Room rent, including heat and service	25	60	125
Board (40 weeks)	100	150	280
Books and laboratory expenses	10	30	75
Total	$285	$390	$630

Matriculation fee (first year), $5.
Graduation fee (fourth year), $8.

Board is not furnished by the University; but a list, kept by the Steward, of eligible families in the city where board can be obtained, is always accessible to the students. The Brown University Coöperative Refectory, organized and controlled by students, furnishes its shareholders with board exactly at cost. At present the price is $3.75 a week, or $3.50 if paid in advance. The shares number 120 and their par value is $10 each. Board is furnished at the same rate to ticket-holders, who pay a fee of $2 a year or $1 a term. A number of shares in the Refectory are for sale at the end of each collegiate year, usually at prices not much above their par value.

Students needing to increase their incomes through their own exertions find in the city numerous opportunities for doing so, by giving private instruction, by teaching in evening schools and by other occupations not necessarily inconsistent with their college duties.

Dormitory Accommodations

In the College Dormitories there are in all one hundred and forty-seven single rooms and twenty-one suites.

The rooms in Hope College, University Hall, Slater Hall, the Messer House and the College Street House are rented entirely

unfurnished. Those in Maxcy Hall and the Howell House contain all necessary furniture, occupants providing nothing except bed-linen and towels.

The prices given in the following tables include rent, heat and service for the college year. In the Messer House, the Howell House and the College Street House the gas is included. In Slater Hall, University Hall, Hope College and Maxcy Hall there are gas meters for each room and the occupants are charged for the gas used each term.

When two students occupy a room or a suite together, the room charges are divided between them. When without necessity for so doing, three tenants regularly occupy a room or a suite intended for two, fifty per cent is added to the rent.

Rules in respect to the use of rooms by sub-occupants who are not contract tenants:

1. When the University holds only a half contract for a room, the tenant cannot admit sub-occupants.

2. When the University holds full contracts for a room, the tenant or tenants may admit one or two sub-occupants, but not more than two. The names of any such sub-occupants must be reported to the Steward as soon as the arrangement for sub-occupancy is made.

3. For each sub-occupant of a room the University makes an extra charge of one dollar per term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are more it is divided equally among them.

ROOM CONTRACTS

All students who wish to retain the same room that they have occupied for the past year, can do so if they wish by signing a room contract for the coming year, on or before May 25th. All rooms not signed for on the above date will be drawn for on May the 30th at 10 A. M. Men intending to enter college can arrange to have some one represent them in the drawing, if it is inconvenient to be present in person, by notifying the Steward.

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or see paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

The following is a contract between Brown University, party of the first part, and the undersigned, parties of the second part. I hereby engage room No. in ; and I bind myself to pay or cause to be paid to the Registrar of Brown University the amount indicated, $ for the college year beginning September, 190 . It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted.

Signed by this day of 190 ; We (I) bind ourselves (myself) to the performance of the foregoing agreement, and guarantee the payment of any sums coming due thereunder.

The following conspectus shows the rent and location of each dormitory room controlled by the University.

HOPE COLLEGE.

	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40, 43 and 44, can be used either as suites or as single rooms.	$123
2	"	"	W. & S.		129
3	"	"	W.		123
4	"	"	E.		120
5	"	2	E. & S.		123
6	"	"	W. & S.		129
7	"	"	W.		123
8	"	"	E.		120
9	"	3	E. & S.		114
10	"	"	W. & S.		120
11	"	"	W.		114
12	"	"	E.		108
13	"	4	E. & S.		108
14	"	"	W. & S.		114
15	"	"	W.		108
16	"	"	E.		105
17	Middle	1	E.		120
18	"	"	W.		123
19	"	"	W.		123
20	"	"	E.		120
21	"	2	E.		120
22	"	"	W.		123
23	"	"	W.		123
24	"	"	E.		120
25	"	3	E.		108
26	"	"	W.		114
27	"	"	W.		114
28	"	"	E.		108
29	"	4	E.		105
30	"	"	W.		108
31	"	"	W.		108
32	"	"	E.		105
33	North	1	E.		120
34	"	"	W.		123
35	"	"	W.		135
36	"	"	E.		135
37	"	2	E.		120
38	"	"	W.		123
39	"	"	E. & N.		135
40	"	"	E. & N.		135
41	"	3	W.		108
42	"	"	W.		114
43	"	"	W. & N.		123
44	"	"	E. & N.		123
45	"	4	E.		105
46	"	"	W.		108
47	"	"	W. & N.		114
48	"	"	E. & N.		114

UNIVERSITY HALL.

No.	Division	Floor	Windows Face	Bedrooms	Rent
10	South	2	S. & W.	2	$250
12	"	"	W.	None	115
13	"	"	W.	"	115
16	"	"	E.	"	100
17	"	"	E.	"	106
18	"	"	E. & S.	"	133
19	"	3	S. & W.	2	240
21	"	"	W.	None	112
22	"	"	W.	"	112
25	"	"	E.	"	100
26	"	"	E.	"	100
27	"	"	E. & S.	"	121
28	"	4	S. & W.	2	220
30	"	"	W.	None	100
31	"	"	W.	"	100
32	"	"	E.	"	97
33	"	"	E.	"	97
34	"	"	E. & S.	"	121
36	North	1	College Book Store		
40	"	2	W.	None	115
41	"	"	W.	"	115
43	"	"	W. & N.	2	250
44	"	"	E. & N.	None	121
45	"	"	E.	"	106
46	"	"	E.	"	100
47	"	3	W.	"	106
48	"	"	W.	"	106
50	"	"	W. & N.	2	240
51	"	"	E. & N.	None	115
52	"	"	E.	"	100
53	"	"	E.	"	100
54	"	4	W.	"	100
55	"	"	W.	"	100
57	"	"	W. & N.	2	210
58	"	"	E. & N.	None	115
59	"	"	E.	"	97
60	"	"	E.	"	97

Maxcy Hall.

No.	Floor	Windows Face	Rent
201	2	E.	$140
202	"	"	140
203	"	E. & S.	140
204	"	W. & S.	135
205	"	W.	135
206	"	"	135
207	"	"	135
208	"	"	135
209	"	W. & N.	135
210	"	E. & N.	140
211	"	E.	140
212	"	"	140
313	3	"	140
314	"	"	140
315	"	E. & S.	140
316	"	W. & S.	135
317	"	W.	135
318	"	"	135
319	"	"	135
320	"	"	135
321	"	W. & N.	135
322	"	E. & N.	140
323	"	E.	140
324	"	"	140
425	4	"	140
426	"	"	140
427	"	E. & S.	140
428	"	W. & S.	135
429	"	W.	135
430	"	"	135
431	"	"	135
432	"	"	135
433	"	W. & N.	135
434	"	E. & N.	140
435	"	E.	140
436	"	"	140

College St. House.

1	2	E.	100
2	"	W. & N.	125
3	"	E. & S.	150
4	"	S. & W.	140
5	"	S.	100

Slater Hall.

No.	Division	Floor	Windows Face	Bedrooms	Rent
1	South	1	E. S. & W.	2	$260
2	"	"	E. & W.	1	200
3	"	2	E. S. & W.	2	260
4	"	"	E. & W.	2	245
5	"	3	E. S. & W.	2	250
6	"	"	E. & W.	2	245
7	"	4	E. S. & W.	1	175
8,9	"	"	W.	None	194
10	North	1	E. W.	2	245
11	"	"	E. W. & N.	2	245
12	"	2	E. W.	2	245
13	"	"	W.	None	81
14	"	"	W. N. E.	2	260
15	"	3	W. E.	2	240
16	"	"	W.	None	70
17	"	"	W. N. E.	2	250
18	"	4	E.	None	91
19	"	"	W.	"	127
20	"	"	W. N. E.	1	160

Messer House.

1	1	E. S.	None	90
2	"	S. W.	"	90
3	"	W.	"	80
4	"	E.	"	90
5	"	W.	"	55
6	Trunk Room.			
7	2	E. S.	None	95
8	"	S. W.	"	95
9	"	E.	"	75
10	"	W.	"	95
11	"	E.	"	75
12	"	W. N.	"	80
13	3	W.	"	45
14	"	W.	"	45
15	"	E.	"	55
16	"	N.	"	50

Howell House.

1	1	S. & E.	None	130
2	"	S.	"	100
3	"	E. & W.	"	60
4	"	N.	"	85
5	2	S. & E.	1	110
6	"	S.	None	100
7	"	N.	1	105
8	3	E. & S.	None	75
9	"	S. & W.	"	15

Directory to the Dormitories

Slater Hall, South Division, Rooms 1 to 9.
Slater Hall, North Division, Rooms 10 to 20.
University Hall, South Division, Rooms 1 to 34.
University Hall, North Division, Rooms 35 to 61.
Hope College, South Division, Rooms 1 to 16.
Hope College, Middle Division, Rooms 17 to 32.
Hope College, North Division, Rooms 33 to 48
Maxcy Hall, Rooms 201 to 436.
Messer House, Rooms 1 to 16.
College Street House, Rooms 1 to 5.
Howell House, Rooms 1 to 9.
The Howell, College Street and Messer Houses were formerly private residences. In them the rent for each room includes gas.

FELLOWSHIPS AND SCHOLARSHIPS

Grand Army of the Republic Fellowship

In 1891 the Grand Army of the Republic, Department of Rhode Island, gave to Brown University the sum of ten thousand dollars, to be forever known as the Grand Army of the Republic Fellowship Fund. Only the income of the fund can be used. This income goes to aid alumni of Brown University, of acknowledged excellence in scholarship and character, to pursue advanced liberal study; the intention is that the income for any year shall all go to the same person, except in case of his death, or his resignation or forfeiture of the fellowship, when a successor may be appointed for the remainder of the year. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows; but the descendants of Union veterans of the Civil War of 1861-65 are always to be preferred when the other qualifications of candidates are equal. No consideration touching the political or religious preferences of candidates can ever enter into the appointments. Appointments to the fellowship are regularly made for one year, but incumbents of special diligence or ability may be re-appointed. The President is authorized to make for the reception and use of the income from this fund such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper.

Applications for the fellowship must be in the hands of the President on or before May 15th.

The Grand Army of the Republic Fellow for 1899-1900 is

Bernard Capen Ewer

Philadelphia Alumni Fellowship

This is another fund, to be ten thousand dollars, which the Philadelphia Alumni Association of Brown University will soon render available. Its general purpose is to assist graduate students of special ability in pursuing advanced studies at the University.

Scholarships

The University has about one hundred scholarships. The income of these is given, under the direction of a committee appointed by the Corporation, to meritorious students who may need pecuniary assistance; but a scholarship is forfeited if the holder incurs college censure or fails to secure a creditable standing in his studies.

The following scholarships, seventy-three in number, are of one thousand dollars each; with the exceptions indicated, they bear the name of their founders:

The Eleven Nicholas Brown Scholarships.

The Four University Scholarships.

The President's (Sears) Scholarship.

The Six Alva Woods Scholarships.

The James H. Duncan Scholarship.

The Isaac Davis Scholarship.

The Arnold Whipple Scholarship, founded by Mrs. Arnold Whipple.

The Ephraim Wheaton Scholarship, founded by James Wheaton.

The Joseph Brown Scholarship, founded by Mrs. E. B. Rogers.

The Gardner Colby Scholarship.

The Crocker Scholarship, founded by Robert H. Ives and Thomas P. Ives, trustees.

The Clark Scholarship, also founded by the Messrs. Ives.

The George K. and H. A. Pevear Scholarship.

The Joseph C. Hartshorn Scholarship I.

The Rogers High School Scholarship, founded by William Sanford Rogers.

The James Wheaton Scholarship.

The Charles Thurber Scholarship.

The Pardon Miller Scholarship, founded by Mrs. Ann E. Miller.

The Hezekiah S. Chase Scholarship.

The William Bucknell Scholarship.

The Austin Merrick Scholarship, founded by Mrs. Olive E. Merrick.

The Horatio N. Slater Scholarship.

The Earl P. Mason Scholarship.

The Newport Scholarship, founded by William Sanford Rogers.

The Alexis Caswell Scholarship.

The Three (Henry) Jackson Scholarships.

The Mumford Scholarship, founded by Mrs. Louisa D. Mumford.

The Albert Day Scholarship.

The Henry P. Kent Scholarship.

The Romeo Elton Scholarship.

The Five Annie E. Waters Scholarships.

The L. Fairbrother Scholarship, founded by Mrs. L. Fairbrother.

The George Lawton Scholarship.

The John P. Crozer Scholarship, founded by Mrs. Margaret Bucknell.

The James Y. Smith Scholarship.

The Two S. S. Bradford Scholarships.

The Francis R. Arnold Scholarship.

The Cornelia E. Green Scholarship.

The Henry Clifford Knight Scholarship, founded by Miss Amelia S. Knight, in memory of her brother, of the class of 1875.

The Thurston Scholarship, founded by the Hon. Benjamin F. Thurston, LL. D., of the class of 1849.

The Rufus Babcock Scholarship, founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, Rev. Rufus Babcock, D. D., of the class of 1821.

The James Fletcher Blackinton Scholarship, founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

The Five William A. White Scholarships, founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

The Richards Scholarship, founded by the Rev. William Coolidge Richards, of the class of 1837.

The Samuel White Duncan Scholarship, founded by Mary Duncan Harris.

Besides the above scholarships there are others the assignment of which is made subject to special provisions. These are as follows :

The Bartlett Scholarship, of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

The Glover Scholarships, of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839." Assignment is made upon the basis of character and attainments.

The Rebecca A. Wheeler Scholarship, of fifteen hundred and seventy-one dollars, founded by the lady whose name it bears; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

The Scholarship of the Class of 1838, of thirty-eight hundred dollars, founded by members of the class of 1838, and assigned upon the basis of character and scholarship.

The Joseph Charles Hartshorn Scholarship II, of two thousand dollars, founded by the gentleman whose name it bears.

The George J. Sherman Scholarships I and II, of one thousand dollars each, founded by the gentleman whose name they bear.

The S. Dryden Phelps Scholarship, of one thousand dollars, founded by the Rev. S. Dryden Phelps, D. D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

The Banigan Scholarships I and II, of twenty-five hundred dollars each, founded by Joseph Banigan; the income, as far as necessary, to be used each year to defray the tuition of two students of the University. The founder reserves "the right to nominate the persons to have the benefit of these scholarships, the nominees always to be satisfactory to the authorities of the University, and subject to the rules which it prescribes for all holders of its scholarships."

The George Ide Chace Scholarship, of five thousand dollars, founded by Professor George Ide Chace; the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

The Abby Wheaton Chace Scholarship, of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations and irreproachable character."

If either in the Senior or in the Junior class there chances to be no person fulfilling the requirements, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

For the year 1899-1900 the George Ide Chace Scholarship was awarded to

ARTHUR EDWIN NORTON

and the Abby Wheaton Chace Scholarship to

HOWARD OSCAR WINSLOW

THE THAYER SCHOLARSHIP, founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815; the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the Selectmen and Superintendent of Schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge the income may go to any applicant from Massachusetts who fulfils the conditions.

THE WALTER G. WEBSTER SCHOLARSHIP, founded by Walter G. Webster, of the class of 1878; the income to go each year "to a young man, member of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

LOAN FUND

This is a small fund, the income of which is applied in the way of small loans for short terms, to the assistance of deserving students of limited means.

PREMIUMS AND PRIZES

For Excellence in Preparatory Studies

THE PRESIDENT'S PREMIUMS

These are derived from the income of a fund presented to the University by President Wayland. They are awarded each year to those members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to college in Greek, Latin and French. First and Second Premiums are awarded in each of these studies.

The examinations for the premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Great importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate and idiomatic English.

The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday.

The award of these premiums for the present year was as follows:

Greek

The First Premium to Reginald Langdon Brown, instructed in the Boston Latin School and in the Providence Classical High School.

The Second Premium to William Thompson Hastings, instructed in the Connecticut Literary Institution, Suffield, Conn.

Latin

The First Premium to Reginald Langdon Brown, instructed in the Boston Latin School and in the Providence Classical High School.

The Second Premium to William Thompson Hastings, instructed in the Connecticut Literary Institution, Suffield, Conn.

French

The First Premium to Reginald Langdon Brown, instructed in the Boston Latin School and in the Providence Classical High School.

The Second Premium to William Thompson Hastings, instructed in the Connecticut Literary Institution, Suffield, Conn.

THE HARTSHORN PREMIUMS

These are derived from the income of a fund of one thousand dollars, presented to the University by Joseph C. Hartshorn, A. M., of the class of 1841. The income furnishes three premiums, which are awarded to those members of the Freshman class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term.

The award of these premiums for the present year was as follows:

The First Premium to Arthur Melvin Winslow, instructed in the Providence Classical High School.

The Second Premium to James Leonard Sherman 2nd, instructed in the Providence Classical High School.

The Third Premium to George Rising Sikes, instructed in the Connecticut Literary Institution, Suffield, Conn.

For Excellence in College Studies

THE CARPENTER PRIZES FOR ELOCUTION

These prizes are derived from the income of a fund established by Thomas Carpenter, and are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second and the third rank of excellence in elocution. The assignment is made by a committee appointed for the purpose, and after a public contest held on the Monday evening before Commencement.

The competitors must be members of the Sophomore class. They may declaim pieces in either prose or verse, selected from English authors. These selections must be approved by the

Instructor in Public Speaking. Competitors are to enter their names with this instructor not later than the first day of February. The contest to select the speakers takes place in the latter part of the winter term.

The Committee of Award consists of five members, and is formed as follows: The Professor or the Instructor in Public Speaking, who is the chairman; two persons elected by the Corporation, and two by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible.

The Committee for 1899 awarded the prizes as follows:

The First Prize to Thacher Howland Guild
The Second Prize to William Lathrop Clark
The Third Prize to Elmer Seymour Chace

THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

These are derived from the income of a fund presented to the University by the Hon. Ratcliffe Hicks, of the class of 1864. They are annually awarded to the two members of the Junior class who, in the judgment of a carefully selected committee, display the greatest ability in debate. The contest is held on the evening before Class Day.

For the year 1899 the prizes were awarded in equal parts to

Clifford Spence Anderson
and
Lawrence Gilpin Painter

THE DUNN PREMIUM

A fund amounting to somewhat over eight hundred dollars was presented to the University by pupils and friends of the late Professor Robinson Potter Dunn, D. D., the income to be given, at the end of the Junior year, to the student having the highest standing in rhetorical studies, "rhetorical studies" meaning here those in the department of Rhetoric and Oratory. The nomination for the premium is made by the officers in this department, and has regard to the number of studies which competitors have taken as well as to the rank which they have attained therein.

For the year 1898-99 the premium was awarded to

RAY OSGOOD HUGHES

THE CARPENTER PREMIUMS

These two premiums, of sixty dollars each, are derived from the income of a fund established by Thomas Carpenter and Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life—ability, character and attainment."

For the year 1898-99 the Carpenter Premiums were awarded to

WALTER BOARDMAN BULLEN
and
GEORGE ALBERT GOULDING

THE HOWELL PREMIUM

This fund, amounting to one thousand dollars, was presented to the University by the late Gamaliel Lyman Dwight. The income is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the premium, a student must, each term from the Freshman year to the end of the second term in the Senior year, select at least one of the elective studies offered in Pure or Applied Mathematics.

For the year 1898-99 this premium was awarded to

ARTHUR HORACE BLANCHARD

THE CLASS OF 1873 PRIZE

A fund amounting to five hundred dollars was presented to the University by the class of 1873, on the condition that its income should be used as a prize for an essay. This has now been increased to one thousand dollars. The prize is annually offered for competition to members of the Senior class, the subject being of a historical nature one year and of a philosophical nature the next. In 1899 it was philosophical.

On Commencement Day, June 21, 1899, the President announced the award of this prize to

WALTER BOARDMAN BULLEN

THE FOSTER PREMIUM IN GREEK

This premium is derived from the income of a fund of three thousand dollars bequeathed to the University by the Hon. Lafayette Sabine Foster, LL. D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third and twenty-fourth books of Homer's Iliad or in the Oration on the Crown by Demosthenes."

The next examination, open to the members of the Senior class, will be held early in May, 1900. Candidates will be examined in the Iliad.

On Commencement Day, June 21, 1899, the President announced the award of the prize to

GEORGE ALBERT GOULDING

and a collateral prize for an examination of equal merit to

WINNIFRED BELLE KING

THE LUCIUS LYON PREMIUMS IN LATIN

These are derived from the income of a fund of five thousand dollars presented to the University by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year form the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded only as the result of a special examination held during the last term of the Senior year, and only for real merit. The examination may relate to the Latin language, Roman literature, Roman history, or partly to one of these subjects and partly to another or to both the others. The President

of the University and the head of the Latin department prescribe for admission to the examination such conditions as in their judgment will secure the best results.

For the year 1898-99 the prizes were awarded as follows:

The First Prize to GEORGE ALBERT GOULDING

The Second Prize to LIONEL WILLIAM SCUDDER

The Third Prize to CHARLES ISRAEL GATES

SENIOR ESSAY MEDAL

The National Society of the Sons of the American Revolution offers for competition at the annual Commencement a silver medal, to be awarded by the Faculty on behalf of the society, for the best Senior essay containing not less than 1600 and not more than 2000 words, upon the principles fought for in the American Revolution. The medal bears the name of the winner and the name of the University. The competition at Brown University is in the charge of the department of Rhetoric and Oratory.

A copy of the prize essay from each institution where the competition occurs is sent to the President-General of the society. These essays are referred to a select committee of the society, which awards to the writer of the one it deems the most meritorious a gold medal of the value of one hundred dollars.

In 1899 no medal was offered.

THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

This fund of three thousand dollars, a memorial to the Hon. William Gaston, LL. D., of the class of 1840, annually provides a gold medal bearing the name "William Gaston," to be awarded to that member of the graduating class "who shall write and at Commencement pronounce in English the best oration."

Any member of the Senior class, in good standing, may compete for the medal provided he has been five full terms at the University, has regularly attended and faithfully performed the work in elocution and oratory required during the course, and has shown

himself proficient as a speaker and writer. Each competitor is required to deposit in the Registrar's office, on or before noon of the first Monday in the Spring term, an oration of his own composition, type-written and signed with his name. No oration as completed for delivery may consist of more than fifteen hundred words. Before it is delivered at Commencement each oration must be rehearsed at least five times before the Professor or Instructor in Oratory, such rehearsals to be completed at least one week before Commencement Day. At the first rehearsal each speaker is required to hand to the Professor in Rhetoric and Oratory an autograph copy of his oration for preservation in the University library.

The Committee of Award consists of three persons not members of the Faculty, to be selected as follows: One by the President of the University, one by the Faculty, and one by the contestants. No speaker at Commencement is permitted to make use of a prompter. The members of the committee take into account thought, composition and delivery.

On Commencement Day, June 21, 1899, the Gaston medal was won by

GEORGE DUDLEY CHURCH

DEGREES CONFERRED IN 1899

Degrees in Course

THE DEGREE OF BACHELOR OF ARTS

ON

Charles Bradbury Allen
Dwight Wood Baker
Russell Wightman Baker
William Edward Baker
Ralph Edmonds Barker
George Safford Beal
George Washington Bennett Jr
Earnest Simons Bishop
Lester Wells Boardman
Clarence Saunders Brigham
Howard Haines Brown
Harold Winifred Brown
Walter Boardman Bullen
Paul Henry Burns
James Harper Chase
George Dudley Church
LeBaron Carleton Colt
Walter Coates Cottrell
Thomas Hart de Coudres
Arthur Freeman Crowell
Albert Edmund Dunn
James Franklin Dyer
Charles Daniel Easton
Bernard Capen Ewer
Evan Dale Field
Arthur Herbert Fitz
Charles Israel Gates
Nathaniel Howland Gifford
Arthur Leonard Giles
George Albert Goulding
Benjamin Ward Grim
Joseph Charles Hartwell
Hugh Vincent Hazeltine
Mellinger Edward Henry
Carlos Grout Hilliard
Louis Rhodes Holmes
Oliver Chase Horsman
Eddy Phillips Howard
Irving Owen Hunt
Oliver Perry Hussey
Francis Severance Johnson
Nels Johnson
William Jones
Asa Edward Kelsey
James Manning Kent
William Franklin Koopman
Antonio Mangano
Richard Martin
Wilfred Benson Norris
George Warren Parker
Richard Roy Perkins
Freeman Putney Jr.
George Hervey Raymond
Charles Cady Remington
Frank Eddy Richmond 2d
John Davis Sage
Raymond Alfred Schwegler
Lion William Scudder
Laurence Moss Shaw
Edward Amos Stockwell
Ralph Ewing Storey
Harrison Tarbell Swain
Charles McCallum Teague
Louis Albion Thomas
Edward Everett Thompson
John Barnes Tingley
Charles Albert Walsh
Nelson Allen Wood
William Watson Wyckoff

Caroline Louise Briggs
Harriet Irving Brooks
Alverda Laura Brown
Julia Marguerite Cawley
Agnes Elizabeth Clark
Sarah Hale Colvin
Eva Elise Curtiss
Adelaide Augusta Esten
Winnifred Belle King
Mary Anne McQuaid
Susie Brigham Morse
Mary Abby Frink Randall
Sarah Louise Simmons
Maud Slye
Clara Belden Tingley
Bertha Tucker
Harriet Barrows Utter
Annie Louise Williams

THE DEGREE OF BACHELOR OF PHILOSOPHY

ON

John Edward Babbitt
Howard Clark Barber
George William Baylis
Joseph Warren Bigelow
Stephen Wentworth Bourn
Urban Charles Brewer
Lloyd Brown
Nathaniel Frank Bryant
James Winthrop Campbell
Laurence Herbert Chace
Julian Clement Chase
Walter William Clark
John Arthur Clough
William Pratt Comstock
George Edgar Congdon Jr
Charles Osmond Cooke
Charles Bates Dana
George Warren David
Jacob David
Charles Thompson Dewey
Joseph William Dows Jr
Ralph Caleb Estes
Nathaniel Trull Ewer
William Ellis Farnham
Charles Kenworthy Francis
Caleb Allen Fuller
Clarence Herbert Guild Jr
Gordon Dyer Hale
Dwight Hubbell Hall
Edward Shannon Hanson
Guilford Clinton Hathaway
Lothrop Davis Higgins
Charles Arnold Hull
Albert Foster Hunt
Frank Alvord Jennings
Harry Heman Mallory
Eugene Waterman Mason Jr
Joseph Jay McCaffrey
Andrew Jackson McConnico
Frank Cowperthwait Millard
Harold Tredenick Miller
Frederick William Murphy
Nathaniel Leo Niles
Jesse Stetson Pevear
Thurston Mason Phetteplace
Willis Brown Richardson
Charles Gilbert Robinson
Adam Franklin Ross
Albert Henry Sheffield
Fred Albert Simmons
Charles Henry Smith Jr
Rufus Albertson Soule Jr
Henry Butler Stearns
George William Sutcliffe
George Burwell Utley
Fred Alvah Vose
Raymer Balch Weeden
John Ralph Wellman
Frank Otis Woodruff

Florence Bartlett
Henrietta Griswold Benson
Sarah Elecia Bunnell
Myra Hibbard Butler
Lillian Estelle Everett
Ida May Fiske
Anna Liguoria Gray
Elizabeth Wickes Gardiner
Evelyn Olive Johnson
Anne May Larry
Mary Beecher Leonard
Lillian Gertrude MacQuillin
Gertrude Edna Millard
Alice Maude Tallman
Mary Greene Wilbur

THE DEGREE OF MECHANICAL ENGINEER

ON

Ira May Cushing
George Howard Davis
Paul Shelly Guilford
Russell Crosby Lowell

THE DEGREE OF CIVIL ENGINEER

ON

Arthur Horace Blanchard
Merton Leland Chadsey
William Mather Cotton Jr
Charles Howard Dow Jr
John Mason Glen Jr
Nathan Whitman Littlefield Jr
Frederick Howard Tillinghast

THE DEGREE OF BACHELOR OF SCIENCE

ON

Samuel Marsden Beale Jr
Albert Morton Blaisdell

THE DEGREE OF MASTER OF ARTS

in connection with their classes

ON

Francis Colwell, Class of 1856
George Washington Shaw, Class of 1852
Richard Waterman, Class of 1863

THE DEGREE OF MASTER OF ARTS

in course

ON

Herbert Wade Hibbard, Class of 1886
Calbraith Bourne Perry, Class of 1867

THE DEGREE OF MASTER OF ARTS

after examination

ON

Florence May Barnefield, A. B.
Edith Sever Boardman, A. B.
Louise Mary Jane Brough, Ph. B.
Mary Arnold Brownell, Ph. B.
Edward Everett Bucklin, Ph. B.
Thomas Jayne Burrage, A. B.
Clinton Harvey Currier, Ph. B.
Howard Dorrance Day, A. B.
Walter David DeVault, A. B.
Lucy Jane Freeman, A. B.
Alice Louise Gardner, A. B.
Nettie Serena Goodale, A. B.
Erik Hastings Green, A. B.
Emma Hindley, Ph. B.
Edwin Knowles Jr., Ph. B.
Katherine Gertrude Lynch, A.B.
Emogene Miriam Manning, A. B.
Charles Atwood Marsh, A. B.
Mary Josephine Moroney, A. B.
William James Noble, A. B.
Eliza Metcalf Peirce, A. B.
Arvid Reuterdahl, Sc. B.
Linda Richardson, A. B.
Eda May Round, Ph. B.
George Herbert Sherwood, A. B.
Millett Taylor Thompson, A. B.
Frank Rowland Wheeler, A. B.
Florence Josephine Whiting, A.B.
Jessie Wilson, Ph. B.

THE DEGREE OF DOCTOR OF PHILOSOPHY

after examination

ON

Allan Buell Bicknell, A. B., A. M.

Subjects: Latin, Greek.
Thesis: "The Character of the Common People among the Romans as Illustrated by the Sepulchral Inscriptions."

William Holden Eddy, A. B., A. M.

Subjects: German, Romance Languages.
Thesis: Platen, the German Aristophanes.

Frederic Earle Whitaker, A. B., A. M.

Subjects: Greek, Latin, Classical Archæology.
Thesis: The Legal Fiction of Adoption in Ancient Greece.

Honorary Degrees

THE DEGREE OF DOCTOR OF LETTERS

ON

Caroline Hazard

THE DEGREE OF DOCTOR OF DIVINITY

ON

Frederic Burgess
Josiah Ripley Goddard
Sumner Upham Shearman

THE DEGREE OF DOCTOR OF LAWS

ON

Francis Almon Gaskill
William Goddard

THE ASSOCIATED ALUMNI

Officers and Committees 1899-1900

President

Charles Morris Smith, A. M., Providence.

First Vice-President

Hon. Reuben Thomas Durrett, LL. D., Louisville, Ky.

Second Vice-President

Hon. Charles Matteson, LL. D., Providence.

Secretary

George Grafton Wilson, Ph. D., Providence.

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Samuel Slater Durfee, A. M., Providence

Executive Committee

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Officers and Committees 1899-1900

President

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Vice-President

William Vail Kellen, Ph. D.

Corresponding Secretary

Prof. William Whitman Bailey, A. M.

Treasurer

William Thane Peck, Sc. D.

Committee of Appointment

Prof. Albert Granger Harkness, A. M., Daniel Beckwith, A. B., Hon. David Sherman Baker Jr., A. M., Rev. Frederic Denison, A. M., Henry Frederic Lippitt, A. B., Henry Allen Whitmarsh, A. M., M. D., Prof. Walter Cochrane Bronson, A. M.

Committee of Arrangements

William Gammell, A. M., Prof. Walter Goodnow Everett, Ph. D., Prof. Walter Ballou Jacobs, A. M.

Auditing Committee

Prof. Nathaniel French Davis, LL. D., Robert Perkins Brown, A. M.

Undergraduate Members, 1899

John Lee Chapman Jr.....Central Village, Conn.
George Saunders Cooper.....Providence, R. I.
Fred Tarbell Field.....North Springfield, Vt.
Frank Thurston Hallett.....Providence, R. I.
Clarence Brown Lester.....Providence, R. I.
Clarence Elnathan Norris.....Worcester, Mass.
Arthur Edwin Norton.....Portland, Me.
Harry Kay Poole.....Taunton, Mass.
Charles Huntington Porter.....Providence, R. I.
James Warren.....Providence, R. I.

STUDENTS

Graduates

CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Agnes Elizabeth Clark — *Providence* — 21 Pleasant St.
A. B. Brown University 1899
English Literature, Pedagogy

Clara Elizabeth Comstock — *Providence* — 550 Broad St.
Ph. B. Brown University 1895; A. M. 1897
English, Philosophy, Romance Langnages

Clinton Harvey Currier, — *Manchester, N. H.* — 46 Hope College
Ph. B. Brown University 1898; A. M. 1899
Astronomy, Mathematics

George Albert Goulding — *Providence* — 234 Wayland Ave.
A. B. Brown University 1899
Latin, Greek

John Francis Greene — *Seekonk, Mass.* — 22 University Hall
A. B. Brown University 1891
Latin, History, German, Italian

Austin Herbert Keyes, — *Westerly* — Westerly
Ph. B. University of Maine 1897; A. M. Brown University 1898
Greek, Latin.

Lewis Hamilton Meader — *Providence* — 88 Andem St.
A. B. Dartmouth College 1878; A. M. Brown University 1894
History, Political Science

Arvid Reuterdahl — *Providence* — 366 Willard Ave.
Sc. B. Brown University 1897
Philosophy, Physics

Sidney Algernon Sherman — *Providence* — 227 Irving Ave.
A. B. Amherst College 1885
Social Science, Political Science, Political Economy

George Herbert Sherwood — *Olneyville* — 62 George St.
A. B. Brown University 1898; A. M. 1899
Comparative Anatomy, Physiology

John Smith Shippee — *East Greenwich* — East Greenwich
A. B. Brown University 1894
Latin, Greek

HOWARD KEMBLE STOKES *Providence* 8 Hopkins St.
A. B. Brown University 1885; A. M. 1888
Political Economy, History

MILLETT TAYLOR THOMPSON *Providence* 204 Bowen St.
A. B. Brown University 1898; A. M. 1899
Comparative Anatomy, Physiology

HOWARD CYRUS TILTON *Upper Alton, Ill.*
A. B., Sc. B. Shurtleff College 1895; A. M. Brown University 1897
Philosophy, Pedagogy

EDITH HOLMES WILLISTON *Providence* 103 Whitmarsh St.
Ph. B. Brown University 1896; A. M. 1898
French, German, English Literature

HERRICK PLATT YOUNG *Providence* 5 Chapin Ave
A. B. Brown University 1887; A. M. 1890
Latin, Ancient History

CANDIDATES FOR THE DEGREE OF MASTER OF ARTS

1. Fully in Residence.

BEATRICE JENNIE BARKER *Providence* 117 George St.
Ph. B. Brown University 1895
Social Science, Bibliography

LUCY ANNA BATES *Providence* 13 Oak St.
Ph. B. Brown University 1898
German, French

JOSEPHINE ANGELL BEANE *Olneyville* 275 Plainfield St.
A. B. Brown University 1897
Pedagogy, Social Science.

MARTHA SHEPARD BRIGGS *Attleboro, Mass.* Attleboro, Mass.
A. B. Brown University 1897
German, English, Comparative Literature

FLORENCE POTTER CASE *Providence* 101 Somerset St.
A. B. Brown University 1897
Pedagogy, English

EDWARD BLANCHARD CHAMBERLAIN *Bristol, Me.* 333 Brook St.
A. B. Bowdoin College 1899
German, Botany

JAMES HARPER CHASE *Whitman, Mass.* 70 Benevolent St.
A. B. Brown University 1899
English

CHARLES OSMOND COOKE *Providence* 46 Dexter St.
Ph. B. Brown University 1899
Comparative Anatomy

Ruth Story Devereux A. B. Brown University 1897 Pedagogy, Greek, Psychology.	*Manton*	Manton
Charles Daniel Easton A. B. Brown University 1899 Comparative Anatomy	*Lakeport, N. H.*	117 George St.
Bernard Capen Ewer A. B. Brown University 1899 Mathematics, Philosophy	*Providence*	57 Hanover St.
Victor Frazee A. B. Dalhousie College 1889 History	*Providence*	109 Halsey St.
Caleb Allen Fuller Ph. B. Brown University 1899 Comparative Anatomy	*Providence*	277 Brook St.
Sarah Elizabeth Goodwin A. B. Smith College 1899 Greek, Latin	*Peace Dale*	33 Stimson Ave.
Bertha Beatrice Grant A. B. Brown University 1897 Pedagogy, Social Science, English	*Providence*	34 Pratt St.
Elizabeth Christina Grant Ph. B. Brown University 1898 Pedagogy, English Literature, Philosophy, Social Science	*Providence*	155 Lippitt St.
Emma Helena Gregory A. B. Wellesley College 1891 English Literature, Pedagogy, Latin.	*Providence*	29 Ann St.
Minnie Arabella Hall A. B. Wellesley College 1880 Pedagogy, German	*Providence*	417 Pine St.
Clarence Grant Hamilton A. B. Brown University 1888 Music	*Providence*	22 Portland St.
Carlos Grout Hilliard A. B. Brown University 1899 Comparative Anatomy	*Saxton's River, Vt.*	2 Hope College
Ralph Kingsley Hyde A. B. Brown University 1898 Mathematics, Astronomy, Chemistry, Geology.	*Providence*	250 Charles St.
Grace Elizabeth Inman A. B. Brown University 1898 German	*Providence*	1632 Chalkstone Ave.
Nels Johnson A. B. Brown University 1899 German, French, Psychology	*Rumford*	Rumford

WILLIAM JONES — *Worcester, Mass.* — 10 Congdon St.
A. B. Brown University 1899.
Pedagogy, History, Psychology

RICHARD MARTIN — *Olneyville* — 104 Whittier Ave.
A. B. Brown University 1899
German, Romance Languages, History of Art

MARY GEORGE OSBORN — *Warren* — 256 North Main St., [Pawtucket
A. B. Wellesley College 1892
History

HARRIET EDITH PIERCE — *Providence* — 39 Daboll St.
Litt. B. Smith College 1894
German

GRACE TYLER PRATT, — *Deerfield, Mass.* — 207 North Main St., [Pawtucket
A. B. Smith College 1892
Latin, Greek, English

WILLIS BROWN RICHARDSON — *Providence* — Maxcy 211
Ph. B. Brown University 1899
Social and Political Science, Comparative Literature, Biblical Literature

JONATHAN RISSER, — *West Point, Iowa* — 62 George St.
A. B. Iowa College 1897
Comparative Anatomy

MARY LOUISE ROGERS — *Pawtucket* — 50 Clyde St., [Pawtucket
A. B. Wellesley College 1898
Comparative Anatomy

ADAM FRANKLIN ROSS — *Cortland, N. Y.* — 38 Hope College
Ph. B. Brown University 1899
History, Philosophy, English Literature

HARRY SHEPHERD SMITH — *Springfield, Mass.* — 117 George St.
A. B. Harvard College 1898
History, Latin

EMMA BRADFORD STANTON — *Bristol* — Pembroke Hall
Ph. B. Brown University 1896
French, German, Comparative Literature

LOUIS ALBION THOMAS — *Rockland* — 209 Montgomery Ave.
A. B. Brown University 1899
Comparative Anatomy

EDITH AUGUSTA THOMPSON — *Providence* — 30 Glenham St.
A. B. Brown University 1898
German, Botany

EDWARD EVERETT THOMPSON — *Fall River, Mass.* — University 54
A. B. Brown University 1899
German, French

JOHN BARNES TINGLEY — *Gloucester, Mass.* — 87 Congdon St.
A. B. Brown University 1899
Mechanics, Physics, Mathematics, Drawing

HARRIET BARROWS UTTER — *Pawtucket* — 43 Middle St., [Pawtucket
A. B. Brown University 1899
Pedagogy, English

LEE BARKER WALTON — *Lakewood, N. Y.* — 62 George St.
Ph. B. Cornell University 1897
Comparative Anatomy

BESSIE SARAH WARNER — *Bristol, Ct.* — 205 Waterman St.
A. B. Smith College 1895
English, Philosophy

JOHN EDMUND WELLS — *Providence* — 209 Montgomery Ave.
Ph. B. Brown University 1898
Comparative Anatomy

CLARA WHITEHEAD — *Providence* — 118 Vinton St.
A. B. Brown University 1897
Pedagogy, Mathematics, Physical Geography, Biology

II. Registered as Non-Resident yet living near the University and able to enjoy certain of its privileges.

ARTHUR GEORGE HOST — *Providence* — 660 Public St.
A. B. Brown University 1898
Pedagogy, English Literature, German

WILLIAM JOB REYNOLDS — *Providence* — 134 Linwood Ave.
A. B. Brown University 1886
Biblical Literature and History

ALICE RACHEL SHEPPARD — *Providence* — 38 Congdon St.
A. B. Boston University 1892
Fine Arts, German

GEORGE THURSTON SPICER — *Providence* — 371 Broadway
A. B. Brown University 1897
Music, Fine Arts, Comparative Literature

WALTER ALLEN YOUNG — *Providence,* — 69 Barnes St.
Ph. B. Brown University 1891
Ethics, Pedagogy

III. Fully Non-Resident.

HENRY WARD BEECHER ARNOLD — *Hopedale, Mass.*
A. B. Brown University 1893
Latin, Mathematics, Physics

ROBERT MARSHALL BROWN — *Portsmouth, N. H.*
A. B. Brown University 1893
Meteorology, Chemistry

SHARONTON HALE BAKER — *Willimantic, Ct.*
A. B. Brown University 1883
Political Economy, Greek.

WILLIAM ALVA BRADY — *Narragansett Pier*
Ph. B. Brown University 1894
Biblical Literature

ARTHUR DEERIN CALL — *Holliston, Mass.*
Ph. B. Brown University 1896
Social Science, Pedagogy

JOHN RUSSELL FERGUSON — *Fall River, Mass.*
A. B. Brown University 1894
Latin, Pedagogy

ROBERT DOUGLAS HOYT — Station M., *New York City*
A. B. University of Vermont 1894
Latin, History

ERNEST VICTOR PAGE — *New Bedford, Mass.*
A. B. Brown University 1896
Political Economy, Political Science, Social Science

JARED HARVEY RANDALL — *Rangoon, Burma*
A. B. Brown University 1897
History, Burmese

JAMES WYLIE ROSS — *Strawn, Tex.*
A. B. Brown University 1896
Mathematics, Pedagogy

RALPH EWING STOREY — *McMinnville, Oregon*
A. B. Brown University 1899
Biblical Literature, Philosophy

SPECIAL GRADUATE STUDENTS

STEPHEN WENTWORTH BOURN — *Bristol* — 53 Westfield St.
Ph. B. Brown University 1899
History, Chemistry

CLARENCE SAUNDERS BRIGHAM — *Providence* — 141 Prospect St.
A. B. Brown University 1899
History

MARTHA REYNOLDS CLARKE — *Providence* — 147 Chestnut St.
A. B. Brown University 1895; A. M. Columbia University 1896
Philosophy

ELIZABETH WATSON KENYON — *Middleboro, Mass.* — 12 High St., Middleboro
Sc. B. Mt. Holyoke College 1896; A. M. Brown University 1897.
Political Science.

ANNE MAY LARRY, — *Providence* — 58 College St.
Ph. B. Brown University 1899
German

RUSSELL CROSBY LOWELL *Providence* 78 Bellevue Ave.
M. E. Brown University 1898
Pedagogy, Physics

HERBERT CLEVELAND MILLER *Amherst, Mass.* 206 Camp St.
A. B. Brown University 1897
Chemistry

ELIZA METCALF PEIRCE, *Providence* 507 Broadway
A. B. Smith College 1889; A. M. Brown University 1899
Philosophy

THURSTON MASON PHETTEPLACE *Providence* 1683 Broad St.
Ph. B. Brown University 1899
Mathematics

CHARLOTTE LUSANNE TILLINGHAST *Providence* 260 Angell St.
Ph. B. Brown University 1896
Psychology, Philosophy, Pedagogy

JESSIE WILSON *Rumford* Rumford
Ph. B. Brown University 1898; A. M. 1899
English

Undergraduates

SENIORS—CLASS OF 1900

NAME	RESIDENCE	ROOM
Luther Bentley Adams	*Providence*	44 Camp St.
Clifford Spence Anderson	*Providence*	Hope 30
Asa Warren Armington	*Newton Centre, Mass.*	Hope 40
Herbert Hamlin Armington	*Providence*	University 58
Willard Henry Bacon	*Bellows Falls, Vt.*	Hope 28
George Giles Bass	*Hyde Park, Mass.*	Hope 42
Gilbert Newton Batchelder	*Fitchburg, Mass.*	33 Benevolent St.
Herman Melvin Blaisdell	*Bradford, N. H.*	University 17
Ernest Harriman Boynton	*Sewaren, N. J.*	Hope 43
Michael Shelly Brennan	*Valley Falls*	Valley Falls
Walter Alexander Briggs	*Ashaway*	Slater 12
Charles Wilson Brown	*Fall River, Mass.*	Hope 27
John Smith Brown Jr.	*Providence*	96 Bates St.
Ralph Norman Brown	*Providence*	8 Clover St.
Ralph Standish Bryden	*Boston, Mass.*	University 41
James Boise Bush	*New Orleans, La.*	University 10
Moncrieffe Cameron	*Providence*	145 East Ave.
Frank Walter Campbell	*Westminster West, Vt.*	Hope 13
Harold Stearns Capron	*Providence*	Hope 1
John Mowry Capron	*Stillwater*	Slater 19
Herbert Edwards Brown Case	*Pawtucket*	Maxcy 204
Daniel Champlin Chace	*Providence*	362 Point St.
John Lee Chapman Jr.	*Central Village, Ct.*	136 Mitchell St.
James Wallace Chesbro	*Adams, Mass.*	Maxcy 433
Charles Wesley Clark	*Clarksdale, Miss.*	Slater 17
Edwin Schuyler Cobb	*Attleboro, Mass.*	Hope 10
Francis Sessions Cole	*Providence*	Cole Ave.
Joseph Stearns Cole	*Morristown, N. J.*	Slater 1
John Steele Colwell	*Providence*	158 W. Clifford St.
George Saunders Cooper	*Providence*	Slater 8

NAME	RESIDENCE	ROOM
Mendell Winthrop Crane	*Norton, Mass.*	Hope 10
Herbert Richard Cross	*Providence*	Slater 12
Claude Burton Dakin	*New Berlin, N. Y.*	Hope 3
Walter Hayes Detmers	*Buffalo, N. Y.*	Hope 10
Roscoe Morton Dexter	*Central Falls*	Hope 25
Dana Fletcher Downing	*Haverhill, Mass.*	Hope 47
Foster Robbins Dows	*Providence*	70 Benevolent St.
Frank Birch Easton	*Lakeport, N. H.*	117 George St.
Fred Tarbell Field	*N. Springfield, Vt.*	University 28
Austin Hervey Fittz	*Natick, Mass.*	Hope 16
William Dunlap Forbes	*Providence*	University 12
Albert Jonathan Frohock	*Central Falls*	Hope 16
Ernest Hubbell Gilbert	*Boston, Mass.*	Hope 28
Arthur Leonard Giles, A. B.	*Providence*	Hope 48
James Bruce Gilman	*Lowell, Mass.*	29 Benevolent St.
Henry Jewett Hall	*Providence*	40 Benevolent St.
Frank Thurston Hallett	*Providence*	Maxcy 322
Francis Henry Hammill	*Bristol*	Messer 1
Homer Warren Hanscom	*Haverhill, Mass.*	106 Pond St.
William Leonard Hill	*Warsaw, Ill.*	Hope 34
John Lawrence Hood	*Pawtucket*	University 51
Thomas Hope	*Augusta, Ga.*	Hope 45
Horace Mason Hovey	*Providence*	Maxcy 321
Daniel Howland	*Hope*	Slater 11
Ray Osgood Hughes	*Saxton's River, Vt.*	29 Benevolent St.
George Llewellyn Hunt	*St. Johnsbury, Vt.*	44 Olney St.
Rolla Elijah Hunt	*Huntville, Vt.*	Maxcy 428
John Wesley Huse	*Laconia, N. H.*	Messer 16
Frederic Vinal Hussey	*Franklin, Mass.*	Slater 19
Philip Clay Jack	*Gardiner, Me*	University 54
Melvin Clermont Johnson	*Virgil, N. Y.*	University 16
Myron Daniel Lapham	*Providence*	Hope 25
Waldo Gifford Leland	*Newton Lower Falls, Mass.*	Hope 30
Frederick Lent	*Oak Lawn*	Oak Lawn
Clarence Brown Lester	*Providence*	Hope 30
George Marsden	*New Bedford, Mass.*	New Bedford

NAME	RESIDENCE	ROOM
Harold Burnham Maryott	*Wickford*	Messer 2
Howard Harris Mason	*Providence*	Slater 11
Philip John McQuaid	*Providence*	31 Quaid St.
Walter Howard Mitchell	*Winchendon, Mass.*	Hope 21
Charles Bartlett Moseley	*Needham, Mass.*	University 59
Norman Allen Moss	*Providence*	Hope 8
Harry Warren Mumford	*Starrucca, Pa.*	Hope 25
Clarence Elnathan Norris	*Worcester, Mass.*	University 59
Edward Arthur Northrop	*Field's Point*	29 W. Clifford St.
Arthur Edwin Norton	*Portland, Me.*	University 28
John Francis O'Gara	*Spencer, Mass.*	Maxcy 314
Lawrence Gilpin Painter	*Vale, Md.*	1424 Westminster St.
Frederic Charles Parker	*New York, N. Y.*	University 43
Leonard Merrick Patton	*Providence*	Hope 2
Joseph Leishman Peacock	*Pawtucket*	Hope 2
Maurice Vorhes Perkins	*Coffeyville, Kan.*	Slater 14
Benjamin Obear Pillsbury	*Concord, N. H.*	Hope 22
Harry Kay Poole	*Taunton, Mass.*	Howell 10
Charles Huntington Porter	*Providence*	Slater 13
Henry Sheldon Pratt	*Lawrence, Mass.*	33 Benevolent St.
Arthur Osborn Pritchard	*Newport*	University 28
Lemuel Charles Raiford	*Baltimore, Md.*	4 Benefit St.
Lyman Alpheus Randall	*Leo, O.*	136 Brownell St.
Archibald Tennant Reoch	*Phenix*	Hope 5
Fordyce Thomas Reynolds	*Hadley, Mass.*	Hope 34
Charles Germane Richardson	*Morrisville, N. Y.*	Hope 17
Robert Cornelius Robinson	*Providence*	Hope 1
Charles Pickett Roundy	*Beverly, Mass.*	Hope 4
Albert Lyon Scott	*Bacone, Ind. Terr.*	Hope 43
Earl Augustine Smith	*Lowell, Mass.*	University 52
Charles Kirtland Stillman	*Mystic, Conn.*	University 60
Jesse Floyd Stinard	*Harford, N. Y.*	University 16
Ralph William Stoddard	*Brattleboro, Vt.*	33 Benevolent St.
Howard Arnold Swallow	*Danville Ill.*	Hope 26
Allan Remington Thatcher	*Middleboro, Mass.*	Slater 12
Nathan Albert Tufts	*Fitchburg, Mass.*	Hope 24

NAME	RESIDENCE	ROOM
Elihu Sanford Tuttle	*Bristol, Ct.*	10 Congdon St.
Michael Joseph Twomey	*Norwich, Ct.*	Maxcy 433
Arthur Wakefield	*Mount Pleasant, Pa.*	Maxcy 321
James Warren	*Providence*	168 Governor St.
Daniel Oscar Webster	*Franklin Falls, N. H.*	Hope 28
Clinton Chase White	*Worcester, Mass.*	Hope 42
Ray Lester Whitney	*Winchendon, Mass.*	Hope 18
Alonzo Roger Williams	*Providence*	Maxcy 205
George Curtis Wing Jr.	*Auburn, Me.*	Slater 17
Howland Wood	*Providence*	333 Brook St.
John Albion Young	*Campello, Mass.*	Hope 17
Hiram Lamont Youtz	*Des Moines, Ia.*	19 Irving St.

JUNIORS—CLASS OF 1901

NAME	RESIDENCE.	ROOM
Arthur Irving Andrews	*Providence*	University 18
George Safford Beal, A. B.	*Brockton, Mass.*	Hope 48
Charles Herbert Bennett	*New Bedford, Mass.*	87 Congdon St.
William Swasey Blake	*Providence*	372 Blackstone St.
Howard Parker Blanchard	*Danvers, Mass.*	University 18
William Charles Hugo Brand	*Providence*	347 Friendship St.
Charles Winchester Brooks	*Montgomery, N. Y.*	University 46
Florence William Burke	*Mittineague, Mass.*	Messer 3
Ernest Palmer Carr	*Cortland, N. Y.*	Hope 31
Elmer Seymour Chace	*Providence*	Hope 30
Harrison Ayer Chase	*Brockton, Mass.*	Slater 20
Roy Elliott Clark	*Holyoke, Mass.*	Slater 5
William Lathrop Clark	*Rome, N. Y.*	Slater 5
Daniel Allen Clarke	*Fiskeville*	Hope 6
Arthur Ogden Clift	*Middletown Springs, Vt.*	33 Benevolent St.
Howard Aldridge Coffin	*East Fairfield, Me.*	Hope 21
Ernest Willard Crawley	*Warren*	Warren
Harvey Nathaniel Davis	*Providence*	Slater 13
Myron Powers Davis	*Brattleboro, Vt.*	Hope 32
Joseph Warren Downs	*S. Waterboro, Me.*	Hope 44
Charles Borromeo Dugan	*Brinckerhoff, N. Y.*	Hope 38
Thomas Edwin Dunn	*Winchendon, Mass.*	Maxcy 320
Charles Chester Eaton	*Brockton, Mass.*	Hope 36
Harris Dickinson Eaton	*Calais, Me.*	4 Manning St.
John Boyden Eaton	*Calais, Me.*	4 Manning St.
Irving Judson Enslin	*Providence*	72 College St.
Parke Erwin	*Malone, N. Y.*	66 Meeting St.
Edwin Bowen Evans	*Providence*	Hope 35
Charles Ernest Ewing	*Troy, N. Y.*	47 Camp St.
Henry Milne Fenner	*Fall River, Mass.*	Maxcy 323
Charles Barker Fernald	*W. New Brighton, N. Y.*	Maxcy 204

NAME	RESIDENCE	ROOM
Reuben Franklin Friedel	*Viola, Del.*	72 College St.
Walter Louis Frost	*Providence*	Hope 11
Edward Hawes Fuller	*Pawtucket*	307 High St., Pawtucket
George Herbert Gilbert	*Providence*	Hope 28
Charles Herbert Gilmore	*Turners Falls, Mass.*	Slater 3
Frank Henry Gooding	*Central Falls*	University 18
John Packer Gray	*Mystic, Ct.*	Maxcy 202
Edwin Farnham Greene	*Newton Centre, Mass.*	Hope 39
Percival Bartlett Greene	*Germantown, Pa.*	76 Humboldt Ave.
Edward Tudor Gross	*Providence*	Slater 8
Arthur Tucker Grosvenor	*Abington, Ct.*	University 19
Thacher Howland Guild	*Providence*	Slater 16
Ernest Granger Hapgood	*Bryantville, Mass.*	University 31
Henry Clay Hart	*Eufaula, Ala.*	11 Adelphi Ave.
William Riggs Harvey	*Newport*	University 55
George Bradford Hayward	*Campello, Mass.*	87 Congdon St.
Charles Herbert Hough	*Woonsocket*	33 Benevolent St.
Charles Sherman Hoyt	*New York, N. Y.*	Slater 10
Harry Francis Kellogg	*Providence*	Hope 41
Thomas Henry Kenworthy	*Hampden, Mass.*	Hope 27
William Irvine King	*Uniontown, Pa.*	Hope 29
Thomas Francis Lawlor	*Valley Falls*	Maxcy 212
Edward Benedict Lederer	*Providence*	Maxcy 315
Michael John Linden	*Chicago, Ill.*	University 43
Herbert Colbath Low	*Brockton, Mass.*	Slater 3
William Kinsley Low	*Providence*	Slater 16
Harold Lester Madison	*East Greenwich*	Hope 2
Daniel Joseph Maloney	*Woonsocket*	Maxcy 318
Berton Lewis Maxfield	*Franklin Falls, N.H.*	Hope 14
William Charles McLaughlin	*Providence*	7 Amity St.
Stewart Baker McLeod	*Brockton, Mass.*	Slater 3
Jesse George Melendy	*Nashua, N. H.*	University 17
Max Merrill Miller	*Westfield, Vt.*	Maxcy 322
Daniel Potter Myers	*Providence*	Maxcy 211
Harry Eugene Nickless	*Woburn, Mass.*	Howell 5
Frank Allen Page	*Providence*	33 Benevolent St.

NAME	RESIDENCE	ROOM
Ernest Trowbridge Paine	*Central Falls*	Central Falls
Walter Clarke Phillips	*LaFayette*	Hope 20
George Moses Purver	*Providence*	20 Hamilton Place
Charles Sheldon Read	*Anthony*	Hope 21
David Robinson Jr.	*Pine Island, N. Y.*	Howell 9
Simon Henry Salomon	*Groveton, N. H.*	Maxcy 313
John Hendricken Slattery	*Providence*	24 Vernon St.
Arthur Langford Slocum	*E. Providence*	Slater 4
Byron Lee Smith	*Oxford, N. Y.*	Hope 6
Roy Harmon Smith	*Crozet, Va.*	29 Benevolent St.
Walter Smith	*Lawrence, Mass.*	University 19
Winthrop Morton Southworth	*Needham, Mass.*	University 30
Robert Wing Steere	*Providence*	84 Waterman St.
Claude Everett Stevens	*Nelson, Pa.*	Hope 7
Henry Cleaves Sullivan	*Portland, Me.*	Maxcy 201
Amos Leavitt Taylor	*Franklin Falls, N. H.*	Hope 12
George Allen Taylor	*Providence*	University 25
Frank Carroll Thompson	*Haverhill, Mass.*	4 Manning St.
Frederick Harris Thurston	*Laconia, N. H.*	Slater 9
Howard Hiram Tucker	*Lee, Mass.*	University 19
Charles Sampson Turner	*Providence*	Hope 33
Walter Ernest Tuthill	*Palmer, Mass.*	Hope 4
John Herbert Ward	*Attleboro, Mass.*	Attleboro
Bertram Albert Warren	*Providence*	Hope 41
Libe Washburn	*Lyme, N. H.*	University 33
Harry Lee Watson	*Mt. Olive, N. J.*	Hope 25
George Everson Weeden Jr.	*Providence*	University 34
Frank Hiram Westlake	*Sacramento, Cal.*	227 Pavilion Ave.
Hunter Carson White Jr.	*Providence*	Hope 35
Winfred Holt Whiting	*Oakdale, Mass.*	Maxcy 317
Ernest Townsend Williamson	*Tuckerton, N. J.*	38 Benevolent St.
Howard Oscar Winslow	*Providence*	68 Chapin Ave.
Alfred Robinson Winter	*Mansfield, Mass.*	Howell 5
Henry Joseph Winters	*Pawtucket*	273 Prospect St., Pawtucket
Irving Levi Woodman	*Manchester, N. H.*	87 Congdon St.

SOPHOMORES—CLASS OF 1902

NAME	RESIDENCE.	ROOM
Elton Merville Adye	*Forestville, N. Y.*	44 Camp St.
Edward Kimball Aldrich Jr.	*Providence*	Hope 23
Christopher Astle	*Providence*	897 Broad St.
Ernest Preston Brown Atwood	*Providence*	Hope 23
Charles Raymond Austin	*Providence*	Maxcy 322
Williston Wright Barker	*Newport*	Maxcy 435
James William Barry	*Hadley, Mass.*	33 Benevolent St.
John Palmer Barstow	*Providence*	Slater 6
LeRoy Bartlett	*Providence*	103 So. Angell St.
William Penn Bates	*Providence*	141 Benefit St.
Edward Lewis Bayliss	*Boston, Mass.*	72 College St.
Arthur Bruce Bennett	*Westfield, Mass.*	University 22
William Cornell Blanding	*Providence*	Slater 2
Earle Simons Pratt Bodurtha	*Agawam, Mass.*	38 Benevolent St.
James Leonard Booth	*Pawtucket*	36 School St., Pawtucket
Robert Lawton Bowen	*Providence*	University 34
Julius Walter Boyden	*Providence*	40 Jenkins St.
Howard Denison Briggs	*Ashaway*	Slater 12
Edward Jarvis Cushing Bullock	*Warren*	4 Manning St.
James Cunliffe Bullock	*Worcester, Mass.*	Maxcy 436
Walter Roberts Bullock	*Pawtucket*	University 51
George Burdick	*Newport*	University 55
Thomas Burgess	*St. Albans, Vt.*	Slater 6
Eugene Dennis Burns	*No. Brookfield, Mass.*	Maxcy 212
Gonzalo Edward Buxton Jr.	*Providence*	Hope 11
Harold Granville Calder	*Providence*	22 Whitmarsh St
Floyd Levern Carr	*Hornellsville, N. Y.*	87 Congdon St.
Philip Caswell	*Newport*	Maxcy 434
Alfred Griswold Chaffee	*E. Providence Centre*	Maxcy 434
Thomas Carpenter Chaffee	*East Providence*	Howell 5
William Rose Champlin	*Providence*	Maxcy 316

NAME	RESIDENCE	ROOM
Harry Smith Clark	*North Andover, Mass.*	Maxcy 429
Clarence Albert Coates	*Providence*	Hope 21
Bernard Cohen	*Providence*	12 Jenckes St
Samuel Cohen	*Pawtucket*	Hope 33
Charles Bernard Coppin	*Palmyra, N. Y.*	University 58
Abel Rathbone Corbin	*Oxford, N. Y.*	72 College St.
Edward Pittman Corey	*Providence*	271 Butler Ave.
Michael Francis Costello Jr.	*Pawtucket*	376 Weeden St., Pawtucket
Windsor Pratt Daggett	*Auburn, Me.*	University 32
William Robert Parkhouse Davey	*Providence*	245 Cranston St.
Winfield Haines Dennett	*No. Adams, Mass.*	72 College St.
Anthony Hamilton Dexter	*Pawtucket*	18 Church St., Pawtucket
Leo Alexander Dolan	*Attleboro, Mass.*	Attleboro
Frederick Peabody Drowne	*Providence*	20 Benefit St.
Leon Arthur Drury	*Fitchburg, Mass.*	Hope 37
Lucian Lorimer Drury	*No. Swansea, Mass.*	38 Benevolent St.
Arthur Dean Dudley	*Concord, N. H.*	Hope 22
Frederick John Durfee	*Providence*	5 Richmond Sq.
William Robinson Evans	*Haverhill, Mass.*	Maxcy 324
Frank Ernest Fash	*Fall River, Mass.*	253 Federal St.
Andrew Little Fraser	*Lowell, Mass.*	Maxcy 426
Frederick Henry Gabbi	*Providence*	Maxcy 436
Clarence Curtis Gleason	*Lonsdale*	22 Barnes St.
Henry Wilson Goodrich	*Hopkinton, N. H.*	87 Congdon St.
Edward Joseph Goodwin	*Providence*	29 Shove St.
Bruce Henry Green	*Charleston, S. C.*	125 Cushing St.
Crawford Richmond Green	*Troy, N. Y.*	Slater 14
Allen Greene	*Providence*	Slater 13
Stephen Harold Greene	*Newton Centre, Mass.*	Hope 39
Frederick William Greene Jr.	*Newport*	University 28
William Choate Hardy	*Fitchburg, Mass.*	Hope 37
Henry Joseph Hart	*Lynn, Mass.*	University 12
Charles Raymond Haslam	*Providence*	29 Helme St.
George West Hathaway	*Tiverton*	Hope 10
Fred Alden Hersom	*Somersworth, N. H.*	87 Congdon St.
Edward Lapham Hill	*Gardiner, Me.*	Messer 9

NAME	RESIDENCE	ROOM
William Austin Hill	*Arlington, Mass.*	University 34
Jeremiah Holmes	*Mystic, Ct.*	38 Benevolent St.
Charles Herbert Holt	*Providence*	University 46
Gustavus Benjamin Holt	*Boston, Mass.*	33 Benevolent St.
Albert Wesley Hopkins	*Olneyville*	Olneyville
Everett Jarvis Horton	*Providence*	Hope 40
William Henry Hull	*Auburn*	Slater 1
Joseph Waite Ince	*Providence*	Maxcy 436
George Milo Innis	*Shelburne Falls, Mass.*	Howell 7
Eugene Bailey Jackson	*Woonsocket*	Slater 2
Joseph Johnson	*Providence*	33 Plenty St.
William Carter Johnson	*Providence*	University 42
Howard Henderson King	*Uniontown, Pa.*	Hope 29
William Theodore Knoop	*Providence*	86 Holden St.
Ray Forrest Knowlton	*Sutton, N. H.*	University 33
Allen Kramer Krause	*Lebanon, Pa.*	Howell 2
Harry Clifford Leach	*Rockland, Me.*	253 Potters Ave.
Robert Herman Lear	*No. Leominster, Mass.*	41 Angell St.
James William Leech	*Providence*	Hope 7
Donald LeStage	*No. Adams, Mass.*	Slater 20
Kirke Porter Lincoln	*Pittsburg, Pa.*	132 Angell St.
James Bancroft Littlefield	*Providence*	98 Prospect St.
Harold Austin Mackinney	*Providence*	University 25
Joseph Ferdinand Malmstead	*Providence*	Hope 37
Earl Northrup Manchester	*Factoryville, Pa.*	21 Waterman St.
Ralph Augustus McDonald	*Greeley, Col.*	29 Benevolent St.
Walter Estes McGowan	*Worcester, Mass.*	Maxcy 436
DuncanMartinLutherMcPhail	*Beverly, Mass.*	29 Benevolent St.
Elmer Daniel Meserve	*Kennebunkport, Me.*	33 Benevolent St.
Henry Knight Metcalf	*Providence*	Slater 8
Lewis Stanley Milner	*Moosup, Ct.*	University 47
William Benjamin Moss	*Providence*	41 Angell St.
William Francis Mussey	*Rutland, Vt.*	Maxcy 203
Walter Elijah Newcomb	*Catskill, N. Y.*	29 Benevolent St.
Harold Weeden Nichols	*Providence*	University 12
Lester Willis Nickerson	*Brockton, Mass.*	Howell 6

NAME	RESIDENCE	ROOM
Peter Miles O'Reilly	*Providence*	Maxcy 430
William Frazer Owen	*Cannonsville, N. Y.*	233 Medway St.
Charles Lewis Owens	*Meriden, Ct.*	Maxcy 431
George Frederic Paddock	*Providence*	63 Governor St.
Wesley Arthur Paige	*Franklin Falls, N. H.*	Hope 12
William Everett Parker	*West Arlington*	Maxcy 204
Lorraine Terry Peck	*Bristol, Ct.*	29 Benevolent St.
Edwin Miles Pertilla	*Norwich, N. Y.*	Hope 45
Theodore Frederick Pevear	*Lynn, Mass.*	University 44
Charles Abbott Phillips	*Danielson, Ct.*	Slater 15
Halbert Edmund Pierce	*Fitchburg, Mass.*	University 32
Robinson Pierce Jr.	*Providence*	172 Prospect St.
Arthur Wellington Pinkham	*Lynn, Mass.*	University 41
Thomas Edmund Burt Pope	*Providence*	20 Hawthorne St.
Preston Hill Porcheron	*Brockton, Mass.*	Hope 48
Alfred Knight Potter	*Providence*	University 21
Charles Arthur Powers	*So. Gardner, Mass.*	Howell 7
Everett Duncan Ramsden	*Warren*	Warren
Charles Addison Richardson Ray	*Franklin, Mass.*	Slater 17
Lewis Stillman Record	*Worcester, Mass.*	38 Benevolent St.
Charles Arnold Reese	*Newton Highlands, Mass.*	Hope 40
Russell William Richmond	*East Providence*	Hope 1
Charles Duren Roston	*Dorchester, Mass.*	Maxcy 431
Albert Langworthy Saunders	*Westerly*	Hope 3
Walter Stanley Seamans Jr.	*North Providence*	Maxcy 202
Winfield Matthews Smart	*Wild Rose, Wis.*	University 45
Charles Perley Smith	*Charlestown, Mass.*	87 Congdon St.
Erwin Kelsey Smith	*Hartford, Ct.*	Howell 4
Robert Ordway Smith	*Providence*	University 12
Irving Southworth	*Needham, Mass.*	University 30
Arthur Steere	*Providence*	38 Benevolent St.
Bradford Earl Stephens	*Hornellsville, N. Y.*	87 Congdon St.
Thomas Henry Stevens	*W. Hampton Beach, N. Y.*	21 Waterman St.
Wilfrid Alberts Streeter	*Worcester, Mass.*	Hope 20
Walter Leslie Tandy	*Gardner, Mass.*	Howell 7
Charles Arthur Tetrault	*Southbridge, Mass.*	Central Falls

NAME	RESIDENCE	ROOM
Ralph Cameron Thompson	*Portland, Me.*	33 Benevolent St.
Frederick Wheaton Tillinghast	*Pawtucket*	Hope 24
Oliver Clinton Trees	*Lawrence, Mass.*	University 45
Edward David Tweedell	*Providence*	Hope 31
Halley Templeton Waller	*West Derby, Vt.*	Hope 20
Lennox Gresham Walling	*Harrisville*	Maxcy 206
Willard Garfield Ward	*Providence*	Hope 21
Arthur Edward Warner	*Riverside*	72 College St.
Charles Perkins Webber	*Wakefield, Mass.*	261 Benefit St.
Frank Eaton Wells	*San José, Cal.*	87 Condgon St.
Niles Westcott	*Oak Lawn*	Oak Lawn
Frank Walter Wheeler	*Wakefield, Mass.*	Howell 6
Howard Joseph White	*Providence*	33 Benevolent St.
Everett Thomas Whitford	*Woonsocket*	Woonsocket
William Tourtellot Wilder	*Olneyville*	Olneyville
Clinton Nickerson Williams	*Providence*	University 19
Edward Brown Williams	*Providence*	University 19
Warren Lyle Wilmarth	*Central Falls*	University 45
Arthur Crawford Wyman	*Central Falls*	Slater 4
Louis Everett Young	*Woonsocket*	Woonsocket

FRESHMEN—CLASS OF 1903

NAME	RESIDENCE	ROOM
Myron Jay Abbey	*Dansville, N. Y.*	Messer 5
Alexander Hewes Abbott	*Watertown, Mass.*	Messer 8
Robert Aldrich	*Providence*	Slater 7
Burchard Benjamin Alexander	*Boston, Mass.*	University 47
Sherman Alden Allen	*Morganville, N. Y.*	Messer 14
Woodbury Whiteley Armstrong	*Portland, Me.*	Maxcy 315
Edgar Louis Ashley	*Medfield, Mass.*	Maxcy 428
Charles Hervey Bailey	*Dorchester, Mass.*	Slater 18
Percival Rogers Bakeman	*Chelsea, Mass.*	Hope 5
Harvey Almy Baker	*Newport*	217 Hope St.
Louis Foristall Baker	*Barrington*	Slater 18
Merle Taft Barker	*Taunton, Mass.*	University 50
Robert John Barker	*Providence*	Hope 3
Louis Daggett Barrows	*No. Attleboro, Mass.*	Slater 15
Robert Lincoln Barrows	*Providence*	Hope 8
Thomas Austin Barry	*Brockton, Mass.*	Maxcy 320
Eugene Clark Batchelder	*Fitchburg, Mass.*	33 Benevolent St.
Charles Franklin Bates	*Cattaraugus, N. Y.*	29 Benevolent St.
Harry Lothrop Bates	*Providence*	University 44
Edward Babcock Beam	*Paterson, N. J.*	University 48
Daniel Everett Bellows	*Providence*	Hope 27
Frederick Joseph Berth	*Providence*	Hope 6
Hartzell Russell Birch	*Olneyville*	117 George St.
Edward Joseph Black	*Providence*	Maxcy 320
Alfred Varney Blackstone	*State Farm, Mass.*	Maxcy 324
Percy Howard Blanding	*Providence*	Slater 2
Richard Warren Blanding	*Providence*	Slater 2
Charles Blake Boland	*Worcester, Mass.*	Messer 10
Oliver Hilliard Booth	*Poughkeepsie, N. Y.*	8 Prospect St.
Wakeman Bovey	*Nantucket, Mass.*	University 18
Frank Aldrich Bowen	*Providence*	University 25
Irving Livingston Bradley	*Providence*	11 Dodge St.

NAME	RESIDENCE	ROOM
Chester Hibbert Briden	*Pawtucket*	University 51
Arthur Eugene Brown	*Providence*	35 Benevolent St.
Howard Earle Brown	*West Kingston*	Hope 9
Reginald Langdon Brown	*Phenix*	Phenix
John Ervin Bullard	*Keene, N. H.*	29 Benevolent St.
Clarence Van Reynegom Bumsted	*Jersey City, N. J.*	University 43
Elmer Ellsworth Butler	*Watertown, Mass.*	Messer 8
John Hutchins Cady	*Providence*	Slater 7
Murray Hubert Cann	*Providence*	University 34
Charles Sturgis Carpenter	*Providence*	University 19
Clifford Eugene Carr	*Providence*	87 Congdon St.
John Patrick Carroll	*Providence*	131 Tockwotton St.
Roscoe Arnold Carter	*Highlandville, Mass.*	Maxcy 210
Charles Dyer Casey	*Providence*	Maxcy 319
Joseph Clarence Cawley	*East Providence*	East Providence
Henry Howard Cawthorne	*Leominster, Mass.*	36 Richmond St.
Charles Otis Chase	*Haverhill, Mass.*	Maxcy 319
Erastus Weeden Clarke	*Providence*	Hope 23
James Garfield Clifford	*Ware, Mass.*	33 Benevolent St.
Harry Moses Cobb	*East Parsonsfield, Me.*	278 Doyle Ave.
William George Collenberg	*Mapleton, Ct.*	Messer 15
Lewis Hartsough Conant	*Palmyra, N. Y.*	University 58
Fred Milton Cook	*Reading, Mass.*	Messer 2
George Frederick Cook	*Providence*	38 Adelphi Ave.
Theodore Arthur Cornell	*Merrimac, Mass.*	123 Thayer St.
Fred Judson Cox	*Haverhill, Mass.*	Hope 19
Frederick Phillips Craig	*Newburg, N. Y.*	Slater 6
Azariah Foster Crowell Jr.	*Woods Hole, Mass.*	29 Benevolent St.
Charles Francis Cuddy	*Somerville, Mass.*	Messer 7
Fred Philbrick Curtice	*East Washington, N. H.*	117 George St.
Walter Wheaton Daniels	*Pawtucket*	Maxcy 427
Thomas Irving Deacon	*Cambridge, Mass.*	Hope 20
Earl Clinton DeVoll	*Barrington Centre*	Hope 10
Frank Lawrence Dillon	*Palmer, Mass.*	Maxcy 313
Lester Earle Dodge	*Block Island*	Maxcy 316
Samuel Noyes Douglas	*Providence*	4 Manning St.

NAME	RESIDENCE	ROOM
Jerry Dearborne Drew	*Haverhill, Mass.*	Hope 19
Henry Bernardin Drowne	*Providence*	Hope 48
Richard Owen Dummer	*Weld, Me.*	812 No. Main St
James Warren Dyson	*Kingston, Mass.*	Hope 38
Stephen Howard Easton	*Central Falls*	University 31
George Wilbur Eddy	*Greenfield, Mass.*	87 Congdon St.
Frank Henry Ehmke	*Silver Creek, N. Y.*	83 Benevolent St.
Frank Albert Fearney	*Lakewood*	Lakewood
Waldo Henry Fish	*Central Falls*	Hope 18
Robert Forster	*Poughkeepsie, N. Y.*	66 Meeting St.
Alfred Edgar Freeman	*Orange, Mass.*	35 Benevolent St.
Gay Nichols Freeman	*Washington, D. C.*	4 Manning St.
Percy Winchester Gardner	*Wakefield*	29 Benevolent St.
James Lawrence Gartland	*Warren*	Warren
Arthur Simeon Gaylord	*So. Hadley Falls, Mass.*	Maxcy 202
Robert Nathan Gee	*Arkwright*	Maxcy 434
Willis Elbridge Goodhue	*Silver Creek, N. Y.*	83 Benevolent St.
Robert Gray	*Providence*	Hope 20
Marc Tiffany Greene	*Cowesset*	Hope 10
Joseph Grim Jr.	*Bridgeton, N. J.*	Hope 46
Howard Bristol Grose Jr.	*Wellesley Hills, Mass.*	Maxcy 210
Fred Arthur Guptill	*Portland, Me.*	Maxcy 315
George Batcheler Hall	*New York, N. Y.*	Slater 4
Lewis Frederic Hall	*Bridgeport, Ct.*	Maxcy 425
Leo Gregory Hana	*Providence*	133 Elm St.
Willis Warren Harriman	*Whitinsville, Mass.*	Maxcy 208
William Andrew Harrod	*Baltimore, Md.*	Providence
William Albion Hart	*Concord Junction, Mass.*	Messer 12
John William Haslam	*Providence*	29 Helme St.
William Thomson Hastings	*Feeding Hills, Mass.*	38 Benevolent St.
Leslie Robert Hicks	*Chicago, Ill.*	Messer 11
Harrison Bucklin Hill	*Rumford,*	Rumford
William James Hogan	*Oxford, N. Y.*	72 College St.
Edward Winslow Holmes	*New Bedford, Mass.*	Messer 3
Arthur Thomson Holton	*E. Northfield, Mass.*	Maxcy 427
James Harold Lauritz Host	*Providence*	660 Public St.

NAME	RESIDENCE	ROOM
Nathaniel Orson Howard	*Providence*	6 W. Park St.
George Edward Kelleher	*Providence*	Hope 33
Edward Kendall	*Boston, Mass.*	Slater 5
Frederic Mason Kinsley	*Worcester, Mass.*	Hope 41
Norton Jude Lamson	*Pierrepont Manor, N. Y.*	Hope 7
Alexander Joseph Larkin	*Ansonia, Ct.*	University 16
George Albert Lawry	*Rockland, Me.*	University 26
William Ross Lawton	*Providence*	37 George St.
Harry Gancello Leighton	*Lowell, Mass.*	Maxcy 426
Roy Sylvester Litchfield	*Fitchburg, Mass.*	Hope 24
Michael Joseph Lynch	*Holyoke, Mass.*	Maxcy 432
Earle Jerome Mathewson	*Pawtucket*	168 No. Bend St., Pawtucket
Edward Joseph McCaffrey	*Providence*	University 46
Charles Anthony McDonald	*Providence*	Maxcy 201
William Albert M'Coy	*Boston, Mass.*	University 50
Collin Alexander McLeod	*Boston, Mass.*	29 Benevolent St.
Samuel Moffat	*River Point*	Hope 33
Joseph Tyler Mowry	*Oneco, Ct.*	Providence.
William Thomas Murphy	*Providence*	27 Marlborough St.
John Francis Murray	*Providence*	21 Tiffany St.
Hovsep Caspar Nahigian	*Worcester, Mass.*	83 Benevolent St.
Danforth Livermore Nash	*Augusta, Me.*	33 Benevolent St.
Christian Augustus Nelson	*New Sweden, Me.*	1048 Eddy St.
George Smith Newcombe	*Thomaston, Me.*	Hope 13
Charles Lemuel Osler	*Providence*	Hope 22
Fred Alleyne Otis	*Providence*	University 21
Melville Neal Otis	*Providence*	University 21
Harry Merton Paine	*Providence*	Hope 22
Alonzo Truman Patterson	*East Providence*	East Providence
Lionel Henry Peabody Jr.	*Middletown*	University 55
Howard Perry	*Camden, Me.*	197 Adelaide Ave.
Arthur Lloyd Philbrick	*W. Somerville, Mass.*	Howell 1
Walter Enos Phillips	*Cambridge, Mass.*	Slater 10
Arthur Upham Pope	*Newburyport, Mass.*	Maxcy 429
Everett Clifford Potter	*Auburn*	University 51
John L G Pottorf	*Teegarden, O.*	Hope 47

NAME	RESIDENCE	ROOM
Henry Wallace Pratt	*Bridgewater, Mass.*	117 George St.
Walter Knight Putney	*Gloucester, Mass.*	58 College St.
James Edward Quinn	*Stamford, Ct.*	Maxcy 319
Frank Norton Ray	*East Providence*	East Providence
Newton Chaffin Reed	*Greenfield, Mass.*	87 Congdon St.
William Orrin Rice	*So. Gardner, Mass.*	Howell 7
Maurice Benjamin Rich	*Providence*	287 Charles St.
Walter Myrick Richardson	*Leominster, Mass.*	29 Benevolent St.
William Lewis Roberts	*Goffstown, N. H.*	Howell 3
Harry Westcott Rockwell	*Rockwells Mills, N. Y.*	University 43
Howard Reeve Rupley	*Poughkeepsie, N. Y.*	Slater 7
Morton Emery Sanborn	*Manchester, N. H.*	Messer 5
William Benjamin Satterlee	*Poughkeepsie, N. Y.*	Slater 7
Ernest Alexander Saunders	*Somerville, Mass.*	Messer 7
Arthur Henry Scott	*Pawtucket*	1 Dix Ave., Pawtucket
Albert Draper Shaw	*Palmer, Mass.*	University 44
Richard Thomas Shea	*Fitchburg, Mass.*	Maxcy 430
Timothy Joseph Sheehan	*Fitchburg, Mass.*	Maxcy 430
James Leonard Sherman 2nd	*Providence*	University 44
Philip Darrell Sherman	*Pawtucket*	Hope 4
Ralph Atherton Sherwood	*Providence*	Maxcy 433
Lester Burrell Shippee	*East Killingly, Ct.*	245 Broadway
George Rising Sikes	*Suffield, Ct.*	Messer 15
Samuel Newell Smith Jr.	*Providence*	University 47
Tilden Hendricks Stearns	*Wilmot, N. H.*	Hope 14
Henry Williams Stiness	*Providence*	University 12
Claude Henry Stockard	*Providence*	Hope 20
Bates Eben Stover	*Chicopee, Mass.*	Maxcy 318
Frederic Daniel Sullivan	*Providence*	Maxcy 212
Leslie Hunt Sutherland	*Natick, Mass.*	Maxcy 318
Ernest Ketchum Tanner	*Blodgett Mills, N. Y.*	University 46
James Birney Tatem Jr.	*Putnam, Ct.*	72 College St.
Albert William Hayden Thompson	*Providence*	Maxcy 322
Edgar Hayward Thompson	*Brockton, Mass.*	Slater 15
William Homer Tobey	*No. Berwick, Me.*	150 Pitman St.
William Hutchins Turner	*Paterson, N. J.*	University 48

NAME	RESIDENCE	ROOM
Arthur Brown Tyler	*Providence*	136 Brownell St.
George Roberts Walworth	*Newton, Mass.*	Slater 11
George Waterhouse	*Beaufort, S. C.*	Hope 8
Allan Ferguison Westcott	*Alexandria Bay, N. Y.*	Hope 2
Henry Wilson White	*Providence*	80 Vinton St.
Joseph Nelson White Jr.	*Winchendon Springs, Mass.*	4 Manning St.
Samuel Hall Whitley	*Plattsburgh, N. Y.*	Hope 44
Rowland Henry Wilson	*Providence*	Hope 44
Arthur Melvin Winslow	*Providence*	68 Chapin Ave.
Paul McCord Wiswall	*Providence*	50 Lexington Ave.
Trueman Doane Woodbury	*Bow Mills, N. H.*	Howell 3
Walter Hastings Woods	*Providence*	65 Cypress St.

SPECIAL STUDENTS

NAME	RESIDENCE	ROOM
William Walter Andrew	*Providence*	University 58
George Cheney Anthony	*Providence*	303 Blackstone St.
Edward Rathbone Bancroft	*Providence*	University 49
William Henry Bannon	*Central Falls*	Central Falls
George Milton Bardsley	*Fitchburg, Mass.*	Maxcy 204
Chester Arthur Bayles	*White Plains, N. Y.*	Hope 26
Charles Laurence Beach	*Providence*	Hope 23
Morris Albert Bolton	*New London, Ct.*	Hope 1
Richard LeBaron Bowen	*Rumford*	Rumford
John Earle Brown	*Woonsocket*	University 31
Charles Edmund Bryant	*Brookfield, N. Y.*	Hope 6
Dennis Francis Carey	*Worcester, Mass.*	Messer 10
Richard Merwin Cogan	*Orange, N. J.*	Hope 31
Albert Linwood Copeland	*Thomaston, Me.*	Hope 13
Curtis Chase Curry	*Providence*	15 Cottage St.
Walter Rawlan Davis	*Providence*	273 Thayer St.
Charles Edward Grinnell Dickerson	*Providence*	62 Pearl St.
Peter Terence Dolan	*Worcester, Mass.*	Messer 1
Coleman Calvary Dunlap	*Providence*	87 Cushing St.
Courtland Cook Earle	*Providence*	University 25
Leland Leslie Eaton	*Bradford, N. H.*	University 13
Henry Peirce Eldredge Jr.	*East Greenwich*	University 19
Max Simon Feiler	*Providence*	Maxcy 432
Myron Charles Fish	*Pawtucket*	Hope 18
Isaac Fleming	*Musquodoboit, N. S.*	38 Benevolent St.
Charles Hamlin Foley	*Concord, N. H.*	101 Congdon St.
Frederick Arthur Galvin	*Spencer, Mass.*	Maxcy 207
Thomas Leo Gorman	*Central Falls*	University 16
Byron Lister Greatorex	*Providence*	133 Pocasset Ave.
David Connolly Hall	*Nantasket, Mass.*	Hope 41
Irving Libby Handel	*Providence*	33 Pocasset Ave
Charles Hargrove	*Charlestown, Mass.*	10 Brown St.

NAME	RESIDENCE	ROOM
Maurice Hartman	*Manchester, Ct.*	33 Benevolent St.
George Edgar Hathaway	*Providence*	75 Almy St.
Emil Olson Hedberg	*Providence*	39 Maple St.
Joseph Anderson Hodgkinson	*Pawtuxet*	41 Charles Field St
Daniel Joseph Hurley	*Providence*	36 East George St.
Lucian Fenner Kimball	*Providence*	176 Smith St.
George Henry Lewis	*Lynn, Mass.*	38 Benevolent St.
Joseph Francis Lewis	*East Providence*	East Providence
Robert Bell Longwell	*Reidsburg, Pa.*	87 Congdon St.
Charles Peter Lynch	*Providence*	260 Point St.
Irving Ellis Mabry	*East Hiram, Me.*	University 26
Harry Sumner McCready	*Providence*	36 Pratt St.
William McCreery	*Wakefield*	Wakefield
James Duncan McLeod	*Providence*	Hope 34
Albert Henry Morris	*Brooklyn, N. Y.*	Maxcy 206
Joseph Henry Mykens	*Providence*	University 57
Henry Natsch	*Brooklyn, N. Y.*	38 Benevolent St.
John Ferdinand Oderman	*Providence*	287 Admiral St.
Daniel William O'Donnell	*Providence*	60 Glenham St.
Roscoe Hunter Philbrick	*W. Somerville, Mass.*	Howell 1
Emmanuel George Psiaki	*Athens, Greece*	36 Pratt St.
Enrique Quiñones	*Santa Clara, Cuba*	233 Medway St.
Fred Earl Randall	*Providence*	556 Cranston St.
Paul Emil Rauschenbach	*Paterson, N. J.*	368 Benefit St.
Augustus Frank Rose	*Providence*	5 Harrison St.
John Henry Russell	*Providence*	90 Penn St.
Joseph Francis Russell	*Adams, Mass.*	127 Benefit St.
John Henry Fletcher Smith	*Central Falls*	Central Falls
Cyrus Briggs Swift	*Providence*	Hope 44
Charles Sumner Thornton	*East Providence*	East Providence
Alan Rattray Wheeler	*Concord, Mass.*	4 Manning St.
Edward Nelson White	*Acushnet, Mass.*	66 Meeting St.
Arthur Herbert Whittemore	*Reading, Mass.*	Hope 10
Gardner Billings Willis	*Providence*	24 Whitney St.
Arthur Llewellyn Wright	*West Newton, Mass,*	33 Benevolent St.
Francis Elliott Young	*Easton, Md.*	125 Cushing St.

Women's College

SENIORS—CLASS OF 1900

NAME	RESIDENCE	ROOM
Alice May Ballou	*Providence*	61 Congdon St.
Clare Reynolds Bass	*Windham, Ct.*	12 Providence St.
Ruth Edna Batchelder	*Centerville*	Centerville
Helen Louise Bliss	*East Providence*	19 College St.
Anna Carrique Buffinton	*Providence*	463 Broadway
Emily Estelle Campbell	*Providence*	221 Pavilion Ave.
Lydia Gardiner Chace	*Providence*	75 Irving Ave.
Edith Ray Clapp	*Providence*	133 Smith St.
Mabel Ingraham Cobb	*Attleboro, Mass.*	52 Olive St.
Lucy Evangeline Cyr	*Providence*	22 Arch St.
Edith Dolly Davison	*Pawtucket*	41 Sumner St., Pawtucket
Emeline Eddy Fitz	*Harrisville*	227 Doyle Ave.
Helen Louise Given	*Auburn*	Auburn
Pearl Belle Grant	*Scranton. Pa.*	34 Pratt St.
Mary Louise Gregory	*Providence*	253 Broadway
Beulah May Hahn	*Providence*	75 Cranston St.
Mary Prentiss Hill	*Rumford*	Rumford
Mabel Snow LeValley	*Providence*	124 Wesleyan Ave.
Loretta Ludwig	*Providence*	167 Prairie Ave.
Susan Gertrude Mackie	*Providence*	43 Woonasquatucket Ave.
Minnie Catherine Mahy	*Providence*	Fourth St.
Adrienne Mathews	*Providence*	131 Ocean St.
Nellie Florence Munroe	*East Providence*	East Providence
Josephine Martha Scholfield	*Providence*	49 Beacon Ave.
Susan Robbins Scott	*East Providence*	East Providence
Florence Carter Seagrave	*Slatersville*	47 Camp St.
George Lillian Smith	*Providence*	25 Lenox Ave.
Harriet Elsie Spooner	*Barre, Mass.*	3 Fremont St.
Mary Randall Stark	*Providence*	41 Chapin Ave.
Helena Russell Stewart	*DeLand, Fla.*	30 Congdon St.

NAME	RESIDENCE	ROOM
Lura Cooper Stone	*Pawtucket*	Lebanon P. O., Pawtucket
Eulalia Jeannette Towne	*Howard*	Howard
Edna Isabel Warner	*Plainville, Ct.*	325 Gano St.
Helen Bowen Waterman	*Providence*	70 Cady Ave.
Martha Wilbur Watt	*Providence*	207 Atlantic Ave.
Ethel Gertrude Westcott	*Providence*	66 Wood St.
Mabel Gardner White	*Providence*	114 Messer St.
Nettie Estella White	*Arlington*	Arlington
Inez Luanne Whipple	*Diamond Hill*	1 College Court

JUNIORS—CLASS OF 1901

Ruth Appleton	*Providence*	209 Angell St.
Minnie Leora Bartlett	*Providence*	182 Broadway
Lilla Rogers Birge	*Providence*	50 Jenkins St.
Mabel Jennie Bowe	*Providence*	149 East Ave.
Adelaide Kimball Burton	*Providence*	85 Waterman St.
Daisy Frances Coulters	*Providence*	Cranston
Alice Carey Devereux	*Manton*	Manton
Louella Dennis Fifield	*Pawtucket*	37 Kossuth St., Pawtucket
Louise Conant Gamwell	*Providence*	10 Wesleyan Ave.
Margaret Noble Goodwin	*Harwinton, Ct.*	68 Lloyd St.
Saida Newton Hallett	*Providence*	283 George St.
Marion Harvie	*Providence*	38 Congdon St.
Grace June Jones	*Philadelphia, Pa.*	325 Gano St.
Mary Alida Orswell	*Providence*	631 Public St.
Genevieve Partridge	*Woonsocket*	Woonsocket
Edythe Grace Peck	*Providence*	277 Washington St.
Mary Florence Rafter	*Damariscotta, Me.*	325 Gano St.
Annie Mabel Smith	*Providence*	90 Penn St.
Candace Allen Smith	*Providence*	47 Jenkins St.
Lura May Thomas	*Attleboro, Mass.*	Attleboro
Alice Louise Ward	*Providence*	27 Larch St.
Jessie Wheeler	*Saxton's River, Vt.*	284 Gano St.

SOPHOMORES—CLASS OF 1902

NAME	RESIDENCE	ROOM
Ruth Stiles Allen	*Providence*	76 Pitman St.
Sara Catherine Brainard	*Providence*	134 Bridgham St.
Mary Edna Budlong	*Providence*	88 Chapin Ave.
Emma May Caufield	*Ashton*	Ashton
Maude Evelyn Clarke	*Newport*	42 Angell St.
Amy Jenckes Cook	*Woonsocket*	Woonsocket
Alice May Cushing	*Providence*	5 Franklin St.
Nellie Maude Dauphinee	*Providence*	186 Ohio Ave.
Grace Deborah Gallup	*Woonsocket*	42 Angell St.
Lillian May Gamwell	*Providence*	73 Taber Ave.
Abbie Sweetland Ghodey	*Providence*	110 Wilson St.
Edith May Goff	*East Providence*	202 Waterman Ave.
Esther Dora Griswold	*Providence*	28 Oak St.
Mary Louise Hays	*Westfield, Mass.*	205 Waterman St.
Gertrude Weisl Lederer	*Providence*	310 Elmwood Ave.
Mary Child Lee	*Providence*	92 Bellevue Ave.
Millicent Rawson Leete	*Pawtucket*	93 Summit St., Pawtucket
Katharine Frances Littlefield	*Providence*	98 Prospect St.
Ella Baxter McCaffrey	*Providence*	61 Congdon St.
Myrtis Alida Millikin	*Providence*	30 Portland St.
Daza Page Mowry	*Providence*	7 Barnes St.
Grace Pierce	*Providence*	72 Broad St.
Ella Artemisia Pollard	*Attleboro, Mass.*	Attleboro
Marguerite McLeon Reid	*Providence*	321 Blackstone St.
Ada Rogers	*Pawtucket*	50 Clyde St., Pawtucket
Margaret Roys	*Uxbridge, Mass.*	26 Alumni Ave.
Helen Macomber Sherman	*Providence*	45 Elmwood Ave.
Bertha Northup Smith	*Olneyville*	136 Pocasset Ave.
Ida Maude Warren	*Providence*	13 Smithfield Ave.
Ellen Sefton Waterman	*Olneyville*	918 Plainfield St.
Miriam Edwina Withee	*Houlton, Me.*	35 Congdon St.

FRESHMEN—CLASS OF 1903

NAME	RESIDENCE	ROOM
Ruby Marion Atwood	*New Boston, N. H.*	68 Lloyd St.
Charlotte Anthony	*Barrington*	Barrington
Jessie May Barbour	*Ashton*	Ashton
Jane Barclay	*Guelph, Ontario*	58 Wilson St.
Alice Morse Barrett	*Providence*	207 Williams St.
Mabel Irene Bartlett	*Providence*	56 Vinton St.
Anna Burnside	*Providence*	359 Knight St.
Edna Georgiana Calef	*Concord, Mass.*	325 Gano St.
Alice Sheehan Carroll	*Providence*	131 Tockwotton St
Annie Frances Cheever	*N. Attleboro, Mass.*	N. Attleboro
Annie Mabel Cobb	*Attleboro, Mass.*	Attleboro
Lillian Maud Coffin	*Providence*	Hartford Ave.
Flora Sawyer Gifford	*Buffalo, N. Y.*	325 Gano St.
Marion Brooks Gould	*Providence*	45 Charles Field St.
Alice Nina Hersey	*Hyde Park, Mass.*	148 Broad St.
Leonora Hill	*Providence*	221 Broad St.
Bessie Allen Hood	*Providence*	7 Parkis Ave.
Bessie Alberta Loud	*Providence*	4 Wesleyan Ave.
Helen Manatt	*Providence*	15 Keene St.
Hester Jane Mercer	*Willimantic, Ct.*	325 Gano St.
Mary Elizabeth Mercer	*Willimantic, Ct.*	325 Gano St.
Ethel May Munro	*Bristol*	Bristol
Alice Maude Paull	*Bellingham, Mass.*	130 Ford St.
Georgie Smith Peck	*Providence*	48 Princeton Ave.
Celia Sweeting Peckham	*Providence*	10 Oak St.
Ethel Ella Rich	*Providence*	375 Blackstone St.
Lillie Leonaretta Scholfield	*Providence*	49 Beacon Ave.
Irene Turner Seabury	*Providence*	72 Keene St.
Helen Sherman Sheldon	*Providence*	1158 Westminster St.
Alma Stockard	*Providence*	41 Waterman St.
Geraldine Ethelwyn Street	*Cranston*	Cranston
Cora Annie Sutton	*East Providence*	East Providence
Ida Lewis Wheawill	*Auburn*	33 Waterman Ave.
Helen Whitmarsh	*Providence*	42 Arch St.

Special Students

NAME	RESIDENCE	ROOM
Abby Greene Aldrich	*Providence*	110 Benevolent St.
Theodora Greene Bowen	*Providence*	27 Sycamore St.
Florence Brandenburg	*Providence*	15 Keene St.
Musetta Frances Budlong	*Providence*	88 Chapin Ave.
Ella Frances Cory	*Providence*	51 Arch St.
Sara Cleveland Clapp	*Providence*	133 Smith St.
Maude Farnum	*Providence*	112 Bridgham St.
Mabel Anstice Gannett	*Providence*	43 Chapin Ave.
Mathilde Katherine Glauner	*Pawtucket*	695 East Ave., Pawtucket
Grace Margaret Hamilton	*Providence*	252 Rhodes St.
Harriet Frances Henshaw	*Providence*	100 Bowen St.
Helen Elizabeth Hersey	*Providence*	148 Broad St.
Gertrude Selwyn Kimball	*Providence*	76 Prospect St.
Hattie Lurannah Latham	*Providence*	87 Weybosset St.
Grace Fisher Leonard	*Providence*	156 Broad St.
Sara Imbrie Manatt	*Providence*	15 Keene St.
Louise Jeannette McConnell	*Providence*	68 Lloyd St.
Anne Goddard Morse	*Providence*	44 Benefit St.
Mabel Cornelia Moulton	*Providence*	327 Elmwood Ave.
Maude Pierce	*Providence*	172 Prospect St.
Florence Effie Risley	*Pawtuxet*	Pawtuxet
Emily Priscilla Smith Rogers	*Providence*	264 Bowen St.
Eda May Round, A. M.	*River Point*	River Point
Mary Sturtevant	*Providence*	10 Brown St.
Asenath Tetlow	*Providence*	29 Bridgham St.
Amey Vernon	*Providence*	199 Williams St.

SUMMARY OF WOMEN'S COLLEGE

Seniors	28
Juniors	33
Sophomores	31
Freshmen	34
Specials	26
Total	152

Summary

Graduates	85	Freshmen	188
Seniors	114	Specials	68
Juniors	102	Women's College	152
Sophomores	159		
Total			868

Summary by Residence

Rhode Island	463	Delaware	1
Massachusetts	195	District of Columbia	1
New York	52	Florida	1
New Hampshire	29	Georgia	1
Connecticut	28	Indian Territory	1
Maine	28	Kansas	1
Vermont	15	Louisiana	1
Pennsylvania	12	Mississippi	1
New Jersey	10	Oregon	1
Illinois	5	Wisconsin	1
Maryland	4	Texas	1
California	2	Virginia	1
Iowa	2	Burma	1
Ohio	2	Cuba	1
South Carolina	2	Greece	1
Alabama	1	Nova Scotia	1
Colorado	1	Ontario	1
Total			868

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